



No. 46



13 NOVEMBER 2004

UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at
<http://pollux.nss.nga.mil/>**



NSN 7642015139820
NGA REF.NO. NMXXX0446

IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

Observer	Ship/Organization
Bob Neville	Vancouver, WA

Cover Photo: U.S. Coast Guard Cutter Eagle (WIX-327) is a three-masted sailing barque serving as a school ship for the United States Coast Guard. Homeported at the Coast Guard Academy in New London, CT, she is the only active (operational) commissioned sailing vessel in the U.S. maritime services. The ship was built at the Blohm & Voss shipyard in Hamburg, Germany and was launched the **Horst Wessel** on 13 June 1936. Originally commissioned as a school ship for the German Reichsmarine, she eventually served as a cargo ship during WWII. Confiscated by the U.S. following the War, she was commissioned into the Coast Guard Service in 1946 as the **Eagle**. She has a sparred length of 295 feet, a beam of 39 feet, and a displacement of 1755 tons. She carries 22 sails (21,244 square feet of sailing area) and can reach a speed of 17 knots under full sail. The **Eagle** has a standing crew of 29 sailors and six officers; on training missions she carries a crew of 38 sailors, 12 officers, and 150 to 175 cadets. Each year she takes two long training cruises to the Caribbean or Europe, and two shorter ones along the U.S. East Coast.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 46/04

HYDROGRAM

**National Geospatial-Intelligence Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS
NEW PRODUCTS
OR SERVICES
IMPORTANT
CHANGES

13 November 2004

UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) IS TRANSITIONING FROM PRODUCING AND DISTRIBUTING HARD COPY NAUTICAL SAFETY PRODUCTS TO DIGITAL DISSEMINATION. EFFECTIVE WITH U.S. NOTICE TO MARINERS NUMBER 1, 2005, NGA WILL NO LONGER DISTRIBUTE HARD COPY VERSIONS OF THE WEEKLY NOTICE TO MARINERS AND WILL MAKE THEM AVAILABLE FREE OF CHARGE VIA THE INTERNET. SEE SECTION III.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

NEW EDITION OF LIST OF LIGHTS

PUB. 113, 2004 EDITION, LIST OF LIGHTS, RADIO AIDS AND FOG SIGNALS FOR THE WEST COASTS OF EUROPE AND AFRICA, THE MEDITERRANEAN SEA, BLACK SEA AND AZOVSKOYE MORE (SEA OF AZOV), IS READY FOR ISSUE. SEE SECTIONS II AND III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

Section I-2* contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

Section I-3 lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NGA List of Lights.

Section II-5 lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

NM 46/04

125	7Ed. 4/12/86	LAST NM 21/03	46/04	★11311	23Ed. 1/26/02	LAST NM 36/04	46/04
	Delete R Bn		36°00'N 5°36'W		Change	Legend to "11 FT FOR A MID-WIDTH OF 100 FT AUG 2002"	27°49'34.5"N 97°21'50.7"W
	(Spn LL)				Add	Tabulation of controlling depths from Subsection I-2	
					(NOS)		
126	39Ed. 4/13/96	LAST NM 42/04	46/04	★11312	3Ed. 10/20/01	LAST NM 36/04	46/04
	Delete R Bn		36°00'N 5°36'W		Add	Tabulation of controlling depths from Subsection I-2	
	(Spn LL)				(NOS)		
301	(INT 301) 1Ed. 3/2/85	LAST NM 35/04	46/04	11314	23Ed. 1/04	LAST NM 15/04	46/04
	Delete R Bn at light		36°00'N 5°36'W		(Side A)		
	(Spn LL)				Change	Period of light "91" to 6s	27°54'00.5"N 97°03'00.8"W (37/04 CG8)
310	20Ed. 12/29/79	LAST NM 42/04	46/04	11316	39Ed. 3/03	LAST NM 39/04	46/04
	Delete R Bn at light		36°00'N 5°36'W		Add	Tabulation of controlling depths from Subsection I-2	
	(Spn LL)				(NOS)		
1115A	Ed. 10/02	LAST NM 45/04	46/04	★11317	30Ed. 11/03	LAST NM 38/04	46/04
	Substitute	Danger circle "Obstn" [K40] (PA) for platform	29°11.9'N 88°35.0'W		Add	Tabulation of controlling depths from Subsection I-2	
		Danger circle "Obstn" [K40] (PA) for platform	29°12.9'N 88°32.8'W		(NOS)		
		Danger circle "Obstn" [K40] (PA) for platform	29°13.8'N 88°33.8'W				
	Add	Platform [L10]	29°33.6'N 88°39.8'W	11318	1Ed. 10/2/99	LAST NM N38/04	N46/04
		Danger circle "Obstn" [K40] (PA)	29°16.4'N 88°12.1'W		Add	Tabulation of controlling depths from Subsection I-2	
	(37, 38/04 CG8)				(NOS)		
11004	7Ed. 10/29/94	LAST NM 43/04	46/04	★11321	30Ed. 7/04	LAST NM 42/04	46/04
	Add	Danger circle "Obstn" [K40] (PA)	29°11.9'N 88°35.0'W		Delete	Platform	28°34'54"N 95°10'04"W
		Danger circle "Obstn" [K40] (PA)	29°12.9'N 88°32.8'W			Platform	28°41'26"N 95°13'54"W
		Danger circle "Obstn" [K40] (PA)	29°13.8'N 88°33.8'W			Platform	28°38'18"N 95°22'55"W
	(38/04 CG8)				(37/04 CG8)		
11006	31Ed. 9/03	LAST NM 45/04	46/04	11326	32Ed. 11/03	LAST NM 44/04	46/04
	Add	Danger circle "Obstn" [K40] (PA)	29°11.9'N 88°35.0'W		(Page A)		
		Danger circle "Obstn" [K40] (PA)	29°12.9'N 88°32.8'W		Change	Legend to "31 FT APR 2004"	29°36'29"N 95°01'40"W
		Danger circle "Obstn" [K40] (PA)	29°13.8'N 88°33.8'W			(See 33/04-11326)	
		Danger circle "Obstn" [K40] (PA)	29°16.4'N 88°12.1'W		(NOS)		
	(38/04 CG8)			★11327	31Ed. 8/03	LAST NM 44/04	46/04
★11301	23Ed. 9/8/01	LAST NM 42/04	46/04		Change	Legend to "31 FT APR 2004"	29°36'41"N 95°01'17"W
	Add	Tabulation of controlling depths from Subsection I-2			(NOS)	(Supersedes 33/04-11327)	
	(NOS)			★11329	35Ed. 9/03	LAST NM 44/04	46/04
★11302	30Ed. 9/03	LAST NM 42/04	46/04		Add	Tabulation of controlling depths from Subsection I-2	
	(Side B)				(NOS)		
	Change	Note to		11330	15Ed. 10/03	LAST NM 44/04	46/04
		"BROWNSVILLE FISHING HARBOR			Add	Buoy W Or (Priv) at submerged well (cov 174ft)	28°14.9'N 93°18.1'W
		The controlling depth was 13 feet in the entrance channel, 13 feet in the east basin, 12½ feet in the middle basin, and 14 feet in the west basin.			(NOS)		
		July 2004"		★11332	29Ed. 4/04	LAST NM 45/04	46/04
		25°59'06"N 97°20'38"W			Add	Tabulation of controlling depths from Subsection I-2	
	Add	Tabulation of controlling depths from Subsection I-2			(NOS)		
	(NOS)			11341	40Ed. 3/04	LAST NM 45/04	46/04
11305	1Ed. 10/2/99	LAST NM N36/04	N46/04		Add	Tabulation of controlling depths from Subsection I-2	
	Add	Tabulation of controlling depths from Subsection I-2			(NOS)		
	(NOS)			★11342	52Ed. 5/03	LAST NM 40/04	46/04
★11309	37Ed. 9/03	LAST NM 38/04	46/04		Add	Tabulation of controlling depths from Subsection I-2	
	Change	Period of light "91" to 6s	27°54'00.0"N 97°03'00.8"W		(NOS)		
		Legend to "11 FT FOR A MID-WIDTH OF 100 FT AUG 2002"	27°49'25.0"N 97°21'48.0"W				
	Add	Tabulation of controlling depths from Subsection I-2					
	(NOS; 37/04 CG8)						
11310	1Ed. 9/25/99	LAST NM N12/04	N46/04				
	Add	Tabulation of controlling depths from Subsection I-2					
	(NOS)						

<p>★11343 37Ed. 9/03 LAST NM 38/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>	<p>11363 39Ed. 9/03 LAST NM 44/04 46/04 Add Position circle "Pipe" [L23] (PA) 29°24'12"N 89°14'00"W (38/04 CG8)</p>
<p>★11347 34Ed. 5/04 LAST NM 44/04 46/04 Delete Light (2F) 30°14'34.9"N 93°12'47.3"W (NOS)</p>	<p>★11366 8Ed. 10/03 LAST NM 45/04 46/04 Substitute Danger circle "Obstn" [K40] (PA) for platform 29°11.9'N 88°35.0'W Danger circle "Obstn" [K40] (PA) for platform 29°12.9'N 88°32.8'W Danger circle "Obstn" [K40] (PA) for platform 29°13.8'N 88°33.8'W Add Platform [L10] 29°33.6'N 88°39.8'W (37, 38/04 CG8)</p>
<p>★11351 38Ed. 3/03 LAST NM 45/04 46/04 Change Buoy "A" to "8" R, nun 29°30'46"N 91°16'06"W Designation of buoy "21" to "19" 29°32'36"N 91°16'02"W Buoy "B" to "20" R, nun 29°32'28"N 91°15'47"W Period of light "36" to 2.5s 29°36'31"N 91°14'48"W (See 12/04-11351) Add Platform [L10] 29°14'36"N 91°27'36"W (37/04 CG08)</p>	<p>★11391 23Ed. 10/03 LAST NM 39/04 46/04 Relocate Light "18" from 30°08'35.5"N 85°40'03.0"W to 30°08'34.6"N 85°40'03.2"W (NOS)</p>
<p>11352 37Ed. 12/03 LAST NM 45/04 46/04 Change Buoy "A" to "8" R, nun 29°30.8'N 91°16.1'W Designation of buoy "21" to "19" 29°32.6'N 91°16.0'W Buoy "B" to "20" R, nun 29°32.5'N 91°15.8'W Period of light "36" to 2.5s 29°36.5'N 91°14.8'W (See 13/04-11352) (37/04 CG8)</p>	<p>11412 42Ed. 2/04 LAST NM 36/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>
<p>★11353 3Ed. 11/03 LAST NM 38/04 46/04 Add Position circle "Pipe" [L23] (PA) 29°24'12.0"N 89°14'00.0"W (38/04 CG8)</p>	<p>11415 6Ed. 11/03 LAST NM 36/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>
<p>11354 24Ed. 4/03 LAST NM 45/04 46/04 Change Buoy "A" to "8" R, nun 29°30'46"N 91°16'07"W Designation of buoy "21" to "19" 29°32'36"N 91°16'02"W Buoy "B" to "20" R, nun 29°32'28"N 91°15'47"W Period of light "36" to 2.5s 29°36'30"N 91°14'49"W (See 12/04-11354) Add Platform [L10] 29°14'36"N 91°27'36"W (37/04 CG08)</p>	<p>★11416 6Ed. 1/04 LAST NM 36/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>
<p>11356 35Ed. 7/03 LAST NM 44/04 46/04 Add Platform [L10] 29°14'36"N 91°27'36"W (37/04 CG8)</p>	<p>11479 4Ed. 9/27/97 LAST NM N38/04 N46/04 Change Period of buoy "2" to 2.5s 29°04.7'N 80°53.7'W (39/04 CG7)</p>
<p>★11358 52Ed. 6/03 LAST NM 44/04 46/04 Substitute Platform [L10] for submerged well (cov 198ft) and buoy 28°52'45"N 89°41'10"W (Supersedes 3/04-11358) (37/04 CG8)</p>	<p>★11480 38Ed. 5/03 LAST NM 43/04 46/04 Relocate Superbuoy ODAS "41012" from 30°02.6'N 80°33.0'W to (See 21/04-11480) 30°02.5'N 80°32.0'W Change Period of buoy "2" to 2.5s 29°04.7'N 80°53.7'W (36, 39/04 CG7)</p>
<p>★11360 40Ed. 10/02 LAST NM 45/04 46/04 Substitute Danger circle "Obstn" [K40] (PA) for platform 29°11.9'N 88°35.0'W Danger circle "Obstn" [K40] (PA) for platform 29°12.9'N 88°32.8'W Danger circle "Obstn" [K40] (PA) for platform 29°13.8'N 88°33.8'W Add Platform [L10] 29°33.6'N 88°39.8'W Danger circle "Obstn" [K40] (PA) 29°16.4'N 88°12.1'W (37, 38/04 CG8)</p>	<p>★11484 22Ed. 11/03 LAST NM 38/04 46/04 Change Period of buoy "2" to 2.5s 29°04'43"N 80°53'40"W (39/04 CG7)</p>
<p>11362 4Ed. 6/10/00 LAST NM N45/04 N46/04 Substitute Danger circle "Obstn" [K40] (PA) for platform 29°11.9'N 88°35.0'W Danger circle "Obstn" [K40] (PA) for platform 29°12.9'N 88°32.8'W Danger circle "Obstn" [K40] (PA) for platform 29°13.8'N 88°33.8'W Add Platform [L10] 29°33.6'N 88°39.8'W Danger circle "Obstn" [K40] (PA) 29°16.4'N 88°12.1'W (37, 38/04 CG8)</p>	<p>11485 33Ed. 4/03 LAST NM 38/04 46/04 Change Period of buoy "2" to 2.5s 29°04'43"N 80°53'41"W (39/04 CG7)</p>
<p>★11505 2Ed. 4/04 LAST NM 41/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>	<p>★11496 9Ed. 8/22/98 LAST NM N43/04 N46/04 Relocate Superbuoy ODAS "41012" from 30°02.6'N 80°33.0'W to (See N21/04-11496) 30°02.5'N 80°32.0'W Change Period of buoy "2" to 2.5s 29°04.7'N 80°53.7'W (36, 39/04 CG7)</p>
<p>★11506 40Ed. 1/03 LAST NM 39/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>	<p>★11512 59Ed. 1/03 LAST NM 41/04 46/04 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>

SECTION I

NM 46/04

11514	27Ed. 7/04	LAST NM 39/04	46/04		
	Add	Tabulation of controlling depths from Subsection I-2			
		(NOS)			
★11524	47Ed. 2/04	LAST NM 43/04	46/04		
	Relocate	Buoy "52" from 32°51'33.4"N 79°57'11.8"W to 32°51'32.0"N 79°57'11.1"W			
	Change	Height of light "69" to 16ft (38, 39/04 CG7)	32°54'54.8"N 79°55'53.1"W		
11527	16Ed. 1/13/01	LAST NM 29/04	46/04		
	Change	Height of light "69" to 16ft (39/04 CG7)	32°54'54.8"N 79°55'53.1"W		
★12327	97Ed. 9/03	LAST NM 43/04	46/04		
	Add	Tabulation (2) of controlling depths from Subsection I-2			
		(NOS)			
★12331	30Ed. 12/02	LAST NM 40/04	46/04		
	Add	Tabulation of controlling depths from Subsection I-2			
		(NOS)			
★12332	21Ed. 1/20/01	LAST NM 40/04	46/04		
	Add	Tabulation of controlling depths from Subsection I-2			
		(NOS)			
★12333	33Ed. 9/03	LAST NM 28/04	46/04		
	Add	Tabulation of controlling depths from Subsection I-2			
		(NOS)			
★12337	22Ed. 11/15/97	LAST NM 22/04	46/04		
	Add	Tabulation of controlling depths from Subsection I-2			
		(NOS)			
★13003	47Ed. 6/03	LAST NM 43/04	46/04		
	Change	Light to Fl 10s 156ft 16M HORN	44°36.0'N 66°54.2'W		
		Light to Iso 12s 51ft 12M HORN	44°37.0'N 66°42.4'W		
		Visibility (range) of light to 7M	44°56.4'N 66°44.1'W		
		Visibility (range) of light to 19M	45°14.0'N 66°03.3'W		
		Visibility (range) of light to 18M	43°23.5'N 65°37.5'W		
		Visibility (range) of light to 10M	43°28.0'N 65°23.0'W		
		Visibility (range) of light to 10M	43°30.5'N 65°20.9'W		
		Light to Fl G 12s 20ft 2M	44°49.0'N 65°32.4'W		
		Designation of buoy "N49" to "N9"	43°52.9'N 66°26.0'W		
		Visibility (range) of light to 19M	43°41.5'N 66°08.8'W		
		Light to Fl 12s 114ft 12M RACON (-•••)	43°47.8'N 66°09.8'W		
		(NOS)			
13006	31Ed. 6/03	LAST NM 43/04	46/04		
	Change	Light to Fl 10s 156ft 16M HORN	44°36.0'N 66°54.2'W		
		Light to Iso 12s 51ft 12M HORN	44°36.6'N 66°42.2'W		
		Visibility (range) of light to 18M	43°23.5'N 65°37.3'W		
		Visibility (range) of light to 10M	43°28.0'N 65°23.6'W		
		Visibility (range) of light to 10M	43°30.8'N 65°20.6'W		
		Light to Fl G 12s 20ft 2M	44°49.0'N 65°32.4'W		
		Visibility (range) of light to 19M	43°41.5'N 66°08.8'W		
		Light to Fl 12s 114ft 12M RACON (-•••)	43°47.8'N 66°09.6'W		
		(NOS)			
13009	30Ed. 8/02	LAST NM 43/04	46/04		
	Change	Visibility (range) of light to 18M	43°23.5'N 65°37.5'W		
		Visibility (range) of light to 10M	43°28.0'N 65°23.7'W		
		Visibility (range) of light to 10M	43°30.6'N 65°21.0'W		
		Visibility (range) of light to 19M	43°41.2'N 66°08.8'W		
		Light to Fl 12s 114ft 12M RACON (-•••)	43°47.7'N 66°09.3'W		
		(NOS)			
13260	39Ed. 6/03	LAST NM 43/04	46/04		
	Change	Visibility (range) of light to 16M	44°36.2'N 66°54.2'W		
		Visibility (range) of light to 12M	44°36.8'N 66°42.6'W		
		Visibility (range) of light to 19M	43°41.3'N 66°08.8'W		
		Light to Fl 12s 114ft 12M RACON (-•••)	43°47.6'N 66°09.4'W		
		(NOS)			
13263	7Ed. 4/24/99	LAST NM N43/04	N46/04		
	Change	Visibility (range) of light to 16M	44°36.2'N 66°54.2'W		
		Visibility (range) of light to 12M	44°36.9'N 66°42.5'W		
		Visibility (range) of light to 19M	43°41.3'N 66°08.7'W		
		Light to Fl 12s 114ft 12M RACON	43°47.6'N 66°09.4'W		
		(NOS)			
13302	21Ed. 11/3/01	LAST NM 44/04	46/04		
	Change	Buoy to "10" R, Fl R 2.5s (41/04 CG1)	44°03'00"N 68°52'20"W		
13303	12Ed. 9/02	LAST NM 9/03	46/04		
	Change	Buoy to "10" R, Fl R 2.5s (41/04 CG1)	44°02'59"N 68°52'20"W		
★13305	28Ed. 5/5/01	LAST NM 44/04	46/04		
	Change	Buoy to "10" R, Fl R 2.5s	44°02'59"N 68°52'20"W		
		(Inset)			
	Change	Buoy to "10" R, Fl R 2.5s (41/04 CG1)	44°02'59.8"N 68°52'20.2"W		
13392	2Ed. 5/4/96	LAST NM 6/03	46/04		
	Change	Light to Iso 12s 15.6m 12M HORN	44°37'47"N 66°42'36"W		
		(NOS)			
13394	3Ed. 7/02	LAST NM 36/04	46/04		
	Change	Visibility (range) of light to 7M (NOS)	44°56'12"N 66°44'00"W		
13398	3Ed. 3/2/02	LAST NM 40/04	46/04		
	Change	Visibility (range) of light to 7M (NOS)	44°56'13"N 66°44'02"W		
★14846	12Ed. 11/03	LAST NM 33/04	46/04		
		(Page 6)			
	Delete	Buoy "2"	41°41'10.3"N 83°28'46.8"W		
		Buoy "4"	41°41'12.2"N 83°28'50.0"W		
		Buoy "H"	41°41'05.3"N 83°28'54.8"W		
		(41/04 CG9)			
14847	30Ed. 10/30/99	LAST NM 33/04	46/04		
	Delete	Buoy "2"	41°41'10.3"N 83°28'46.8"W		
		Buoy	41°41'12.2"N 83°28'50.0"W		
		Legend "N"	41°41'13.4"N 83°28'48.0"W		
		Buoy "H"	41°41'05.3"N 83°28'54.8"W		
		(41/04 CG9)			
★14908	18Ed. 3/04	LAST NM 22/04	46/04		
		(Inset)			
	Delete	Depth 9 feet	45°56'50.3"N 86°14'42.4"W		
	Change	Legend to "5 FT AUG 2004"	45°56'48.0"N 86°14'50.0"W		
		Legend to "16 FEET AUG 2004"	45°56'36.0"N 86°15'00.0"W		
		(NOS)			
★14934	27Ed. 2/03	LAST NM 1/04	46/04		
	Substitute	Light "1" QG for buoy "1"	43°13'20.6"N 86°17'38.2"W		
		Light "2" QR for buoy "2"	43°13'20.6"N 86°17'40.1"W		
		Light "3" Fl G 2.5s for buoy "3"	43°13'15.6"N 86°17'38.2"W		
		Light "4" Fl R 2.5s for buoy "4"	43°13'15.6"N 86°17'40.1"W		

(continued on next page)

14934	(Continued)				
	Light "5" Fl G 2.5s for buoy "5"	43°13'09.6"N 86°17'38.2"W			
	Light "6" Fl R 2.5s for buoy "6"	43°13'09.6"N 86°17'40.1"W			
	(41/04 CG9)				
★14938	23Ed. 9/13/97 LAST NM 7/04				46/04
	Delete Depth 13 feet	44°14'53.4"N 86°19'30.6"W			
	Depth 12 feet	44°14'53.6"N 86°19'26.5"W			
	Change Legend to "22 1/2 FEET AUG 2004"	44°15'06.0"N 86°20'54.7"W			
	Add Depth 14 feet	44°14'55.2"N 86°19'22.8"W			
	Depth 21 feet	44°15'05.2"N 86°20'46.8"W			
	(NOS)				
★14973	27Ed. 2/03 LAST NM 15/03				46/04
	Add Light Fl R 4s 25ft (Priv)	46°48'43"N 90°48'39"W			
	(Inset)				
	Add Light Fl R 4s 25ft (Priv)	46°48'43.1"N 90°48'38.5"W			
	(39/04 CG9)				
★14975	33Ed. 10/02 LAST NM 24/04				46/04
	Substitute Depth 12 feet for 17 feet	46°45'02.1"N 92°08'06.2"W			
	Add Depth 13 feet	46°44'56.3"N 92°07'58.4"W			
	Depth 14 feet	46°44'53.8"N 92°07'55.5"W			
	Depth 18 feet	46°44'50.5"N 92°07'51.8"W			
	(NOS)				
★17433	11Ed. 5/04 NEW EDITION				46/04
	(NOS)				
18400	44Ed. 8/03 LAST NM 42/04				46/04
	Change Light to "2" Fl R 2.5s	48°45.2'N 122°30.5'W			
	(39/04 CG13)				
18421	46Ed. 10/03 LAST NM 42/04				46/04
	Change Light to "2" Fl R 2.5s 24ft 5M	48°45'12"N 122°30'26"W			
	(39/04 CG13)				
18423	34Ed. 12/03 LAST NM 42/04				46/04
	(Page A)				
	Change Light to "2" Fl R 2.5s 24ft 5M	48°45'12"N 122°30'29"W			
	(Page B, Inset 1)				
	Change Light to "2" Fl R 2.5s 24ft 5M	48°45'12"N 122°30'26"W			
	(39/04 CG13)				
★18424	25Ed. 7/12/97 LAST NM 45/03				46/04
	Change Light to "2" Fl R 2.5s 24ft 5M	48°45'12"N 122°30'27"W			
	(Inset)				
	Change Light to "2" Fl R 2.5s 24ft 5M	48°45'11.2"N 122°30'26.5"W			
	(39/04 CG13)				
18445	30Ed. 11/03 LAST NM 42/04				46/04
	(Page B, Inset 3)				
	Change Period of buoys (5) to 2s	47°37'12.5"N 122°31'07.0"W			
	(39/04 CG13)				
★18449	18Ed. 10/03 LAST NM 22/04				46/04
	Change Period of buoys (5) to 2s	47°37'12.2"N 122°31'03.0"W			
	(39/04 CG13)				
★18581	17Ed. 9/02 LAST NM 42/04				46/04
	Delete Light "19"	44°35'42.2"N 124°00'43.6"W			
	Change Height of light "14" to 15ft and visibility (range) to 4M	44°36'53.8"N 124°01'17.0"W			
	(39/04 CG13)				
★18626	15Ed. 9/16/00 LAST NM 32/04				46/04
	(Inset Fort...Anchorage)				
	Change Visibility (range) of light "9" to 3M	39°25'40.0"N 123°48'20.1"W			
	(40/04 CG11)				
18649	63Ed. 9/03 LAST NM 42/04				46/04
	Delete Light "4"	37°57'53"N 122°25'46"W			
	Light	37°56'48"N 122°25'38"W			
	Light	37°56'43"N 122°25'37"W			
	(39, 40/04 CG11)				
18652	32Ed. 7/03 LAST NM 45/04				46/04
	(Page C)				
	Delete Light "4"	37°57'52"N 122°25'46"W			
	Light	37°56'50"N 122°25'38"W			
	Light	37°56'44"N 122°25'37"W			
	(39, 40/04 CG11)				
★18653	9Ed. 9/30/00 LAST NM 33/04				46/04
	Delete Light "4"	37°57'53"N 122°25'46"W			
	Light	37°56'48"N 122°25'37"W			
	Light	37°56'42"N 122°25'37"W			
	(39, 40/04 CG11)				
18720	31Ed. 7/29/00 LAST NM 38/04				46/04
	Delete Buoy	34°26.5'N 120°23.7'W			
	(40/04 CG11)				
★18721	11Ed. 7/8/00 LAST NM 34/04				46/04
	Delete Buoy	34°26'30"N 120°23'40"W			
	(40/04 CG11)				
25483	20Ed. 5/17/97 LAST NM 33/04				46/04
	(Plan B)				
	Add Chartlet A, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2	13°10'00.0"N 61°15'00.0"W			
	Chartlet B, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2	13°08'54.0"N 61°13'30.0"W			
	Depth 12.5 meters (See 33/04-25483)	13°10'08.4"N 61°14'57.0"W			
	(26(2850)04 Taunton)				
35002	Ed. 10/93 LAST NM N44/04				N46/04
	Substitute Platform "D12-A" with light flare symbol [L10] enclosed by purple composite-line circle, radius 0.27 mile for danger circle "Well"	54°20.6'N 2°52.0'E			
	(41(4514)04 Taunton)				
35005	Ed. 7/94 LAST NM N44/04				N46/04
	Add Depth 105 meters Wk [K26]	57°59.4'N 0°50.6'W			
	(29(3301)04 Taunton)				
35210	3Ed. 2/8/97 LAST NM 31/04				46/04
	Change Characteristic of light to Dir Oc WRG 3s	58°27'00"N 5°02'23"W			
	(BA LL)				
42046	3Ed. 1/4/97 LAST NM 16/04				46/04
	Substitute Depth 37 meters for 46 meters	79°37'N 13°43'E			
	(19(919)04 Stavanger)				
42052	2Ed. 6/28/97 LAST NM 16/04				46/04
	Substitute Depth 37 meters for 46 meters	79°36.5'N 13°41.1'E			
	Add Depth 41 meters	79°30.0'N 13°41.4'E			
	(19(919)04 Stavanger)				
43083	4Ed. 9/7/96 LAST NM 45/04				46/04
	Add Danger circle [K40] "Obstn (Marine farm)"	70°12'49"N 22°16'23"E			
	Danger circle [K40] "Obstn (Marine farm)"	70°14'10"N 22°20'51"E			

(continued on next page)

SECTION I

NM 46/04

43083	(Continued)				Depth 9.8 meters (17(802)04 Stavanger)	68°00'54"N 15°27'14"E
		Danger circle [K40] "Obstn (Marine farm)"	70°11'38"N 22°19'43"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°10'08"N 22°18'35"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°08'56"N 22°17'53"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°08'28"N 22°21'49"E			
	(17(809)04 Stavanger)					
43084	3Ed. 1/23/99	LAST NM 43/04		46/04		
	Delete	Fish haven symbol	70°08'07"N 22°25'24"E			
	Add	Danger circle [K40] "Obstn (Marine farm)"	70°12'49"N 22°16'23"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°14'10"N 22°20'51"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°11'38"N 22°19'43"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°08'56"N 22°17'53"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°08'28"N 22°21'49"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°05'13"N 22°38'59"E			
		Danger circle [K40] "Obstn (Marine farm)"	70°05'54"N 22°45'21"E			
	(17(809)04 Stavanger)					
43100	4Ed. 12/14/96	LAST NM 45/04		46/04		
	Substitute	Depth 17.5 meters for 22 meters	70°23.0'N 21°27.5'E			
	(19(915)04 Stavanger)					
43101	3Ed. 10/19/96	LAST NM 45/04		46/04		
	Substitute	Depth 9.6 meters for 14 meters	70°20'59"N 21°27'49"E			
		Depth 9.3 meters for 14 meters	70°21'12"N 21°27'36"E			
		Depth 17.5 meters for 23 meters	70°22'57"N 21°27'27"E			
		Depth 19.5 meters for 30 meters	70°19'45"N 21°23'50"E			
	(19(915)04 Stavanger)					
43126	4Ed. 3/16/96	LAST NM 41/04		46/04		
	Substitute	Depth 11.5 meters for 20.3 meters	69°27'48"N 17°02'07"E			
	(19(914)04 Stavanger)					
43140	4Ed. 10/5/96	LAST NM 45/04		46/04		
	Substitute	Depth 3 fathoms for 11 fathoms	68°16.4'N 15°32.0'E			
	Add	Depth 1 fathom 4 feet	68°55.4'N 15°00.6'E			
		Depth 4 fathoms	68°16.6'N 15°32.6'E			
	(17(801, 806)04 Stavanger)					
43144	4Ed. 4/19/97	LAST NM 38/04		46/04		
	Substitute	Depth 6.6 meters for 85 meters	68°16.5'N 15°31.9'E			
		Depth 7.4 meters for 40 meters	68°17.8'N 16°30.4'E			
		Depth 12 meters for 28 meters	68°18.6'N 16°23.5'E			
		Depth 8 meters for 9 meters	68°19.1'N 16°21.8'E			
		Depth 1.5 meters for 2 meters	68°19.3'N 16°15.8'E			
		Depth 4 meters for 8 meters	68°19.3'N 16°16.2'E			
		Depth 9 meters for 17 meters	68°19.8'N 16°20.2'E			
		Depth 14.5 meters for 31 meters	68°19.9'N 16°19.8'E			
		Depth 2.9 meters for 14 meters	68°20.7'N 16°15.7'E			
		Depth 5.5 meters for 15 meters	67°58.3'N 15°29.7'E			
	Add	Depth 5.2 meters	68°21.5'N 16°14.7'E			
	(17(801, 802), 19(908-910)04 Stavanger)					
43145	4Ed. 5/17/97	LAST NM 38/04		46/04		
	Add	Depth 7.7 meters	68°16'36"N 15°32'06"E			
		Depth 6.6 meters	68°16'28"N 15°31'47"E			
	(17(801)04 Stavanger)					
43160	6Ed. 3/15/97	LAST NM 30/04		46/04		
	Substitute	Depth 5.5 meters for 15 meters	67°58.3'N 15°30.0'E			
	(17(802)04 Stavanger)					
43164	3Ed. 11/23/96	LAST NM 38/04		46/04		
	Substitute	Depth 5.5 meters for 15 meters	67°58'17"N 15°29'43"E			
		Depth 1 meter for 1.5 meters	67°59'30"N 15°27'13"E			
		Depth 3 meters Rk for 5 meters Rk	68°00'37"N 15°27'15"E			
	Add	Depth 10 meters	67°58'14"N 15°29'20"E			
43167	5Ed. 11/2/96	LAST NM 21/04		46/04		
	Add	Danger circle [K40] "Obstn (Marine farm)"				67°14'20"N 14°31'40"E
	(17(797)04 Stavanger)					
43180	5Ed. 7/5/97	LAST NM 45/04		46/04		
	Add	Danger circle [K40] "Obstn (Marine farm)"				66°44.1'N 13°19.3'E
		Danger circle [K40] "Obstn (Marine farm)"				66°51.8'N 13°41.3'E
		Danger circle [K40] "Obstn (Marine farm)"				66°53.5'N 13°37.9'E
		Danger circle [K40] "Obstn (Marine farm)"				66°45.8'N 13°39.9'E
	(17(796), 19(902)04 Stavanger)					
43323	4Ed. 6/5/99	LAST NM 38/04		46/04		
	Add	Danger circle [K40] "Obstn (Marine farm)"				59°54'45"N 5°15'03"E
		Danger circle [K40] "Obstn (Marine farm)"				59°58'19"N 5°21'13"E
	(19(892)04 Stavanger)					
43324	4Ed. 9/18/99	LAST NM 21/04		46/04		
	Add	Danger circle [K40] "Obstn (Marine farm)"				59°41'04"N 5°35'30"E
	(19(891)04 Stavanger)					
44001	2Ed. 10/19/96	LAST NM 38/04		46/04		
	Add	Depth 23.5 meters Wk [K14.2]				58°06.4'N 23°45.9'E
	(10(126)04 Tallinn)					
44015	8Ed. 7/22/95	LAST NM 42/04		46/04		
	Delete	Depth 9 meters Wk				56°01.8'N 20°35.6'E
	Add	Depth 9 meters Wk [K14.2]				56°01.8'N 20°35.0'E
	(10(93)04 Riga)					
44120	7Ed. 2/22/97	LAST NM 40/04		46/04		
	Add	Buoy R, spar, IV Q R 6s				56°05.4'N 15°34.0'E
	(36(2112)04 Norrköping)					
44164	1Ed. 12/2/89	LAST NM 38/04		46/04		
	Add	Buoy Y, spar, "X" topmark				58°33'22.6"N 16°50'09.8"E
	(37(2065)04 Norrköping)					
44181	5Ed. 4/6/96	LAST NM 40/04		46/04		
	Change	Buoy to G, spar, Fl(2) G 6s				59°17'30.6"N 18°44'39.0"E
	Add	Least depth 1.6 meters [I12]				59°17'39.0"N 18°20'42.0"E
		Least depth 1.6 meters [I12]				59°17'24.6"N 18°23'44.4"E
		Double solid line (bridge) [D22] between				59°17'26.0"N 18°23'48.0"E
						59°17'22.0"N 18°23'53.0"E
		Anchoring prohibited symbol [N20]				59°09'54.0"N 18°27'36.0"E
		Buoy G, spar, Fl(2) G 6s				59°18'08.4"N 18°46'31.8"E
	(35(2092, 2104, 2106)04 Norrköping; Swd CH 6145)					
44182	4Ed. 5/28/94	LAST NM 43/04		46/04		
	Change	Least depth to 2.8 meters				59°20'24.0"N 18°00'54.0"E
	(36(2114)04 Norrköping)					
44184	9Ed. 5/11/96	LAST NM 43/04		46/04		
	Delete	Buoy				59°25'29.4"N 18°55'46.8"E
	Add	Buoy R, spar, Fl R 3s				59°25'28.8"N 18°55'45.0"E
		Buoy R, spar, Fl R 3s				59°18'38.4"N 18°47'04.2"E
		Buoy G, spar, Fl(2) G 6s				59°18'08.4"N 18°46'31.8"E
	(35(2106, 2107)04 Norrköping)					

44186 2Ed. 6/15/96 LAST NM 42/04 46/04
Delete Buoy 59°27'36"N 19°00'01"E
Add Buoy R, spar, Fl R 3s 59°27'38"N 19°00'00"E
Buoy G, spar, Fl(2) G 6s 59°32'42"N 19°07'30"E
(35(2107)04 Norrköping)

44187 2Ed. 2/3/96 LAST NM 43/04 46/04
Delete Buoy 59°42'58"N 19°08'44"E
Add Buoy R, spar, Fl R 3s 59°42'54"N 19°08'48"E
(35(2107)04 Norrköping)

44193 1Ed. 7/16/94 LAST NM 42/04 46/04
Add Dangerous submerged rock [K13] 59°30'36"N 16°49'32"E
(37(2133)04 Norrköping)

44319 2Ed. 2/15/97 LAST NM 38/04 46/04
Delete Wreck PA 60°00.3'N 25°43.3'E
(24-25(516)04 Helsinki)

44340 11Ed. 8/10/96 LAST NM 41/04 46/04
Delete Wreck PA 60°00.3'N 25°43.3'E
Depth 1.5 meters 60°10.4'N 26°01.7'E
Add Depth 0.5 meter Rk [K14.2] 60°10.6'N 26°01.6'E
(24-25(516, 517)04 Helsinki)

44361 6Ed. 7/13/96 LAST NM 40/04 46/04
Add Position circle "Pile" [F22] 59°58'38"N 29°44'22"E
Depth 0.7 meter Rk [K14.2] 59°58'08"N 29°45'44"E
Depth 0.8 meter 59°58'13"N 29°46'27"E
(31(4598)04 St. Petersburg)

44400 4Ed. 9/7/96 LAST NM 45/04 46/04
Add Depth 23.5 meters Wk [K14.2] 58°06.4'N 23°45.9'E
Depth 6.6 meters 58°17.9'N 24°23.6'E
Depth 7.3 meters 58°17.7'N 24°23.9'E
(10(126, 127)04 Tallinn)

44430 2Ed. 6/22/96 LAST NM 43/04 46/04
Delete Depth 9 meters Wk 56°01.8'N 20°35.6'E
Add Depth 9 meters Wk [K14.2] 56°01.8'N 20°35.0'E
(10(93)04 Riga)

51013 4Ed. 3/23/85 LAST NM 34/04 46/04
Delete R Bn at light 36°00.1'N 5°36.5'W
(Spn LL)

51146 3Ed. 2/4/95 LAST NM 41/04 46/04
Add Position circle "Pile" 38°27'29.4"N 8°51'02.4"W
(Por CH 26308)

51160 20Ed. 9/22/90 LAST NM 43/04 46/04
Delete R Bn at light 36°00.1'N 5°36.6'W
(Spn LL)

51344 2Ed. 12/28/96 LAST NM 33/04 46/04
(Panel A)
Add Chartlet, depicting changes in hydrography,
from Subsection I-2 28°08'30.0"N 15°24'30.0"W
(Plan)
Add Chartlet A, depicting changes in hydrography,
topography and aids to navigation from
Subsection I-2 28°07'30.0"N 15°25'24.0"W
Chartlet B, depicting changes in hydrography,
topography and aids to navigation from
Subsection I-2 28°08'30.0"N 15°25'24.0"W
Chartlet C, depicting changes in hydrography,
topography and aids to navigation from
Subsection I-2 28°09'30.0"N 15°24'30.0"W
Chartlet D, depicting changes in hydrography,
topography and aids to navigation from
Subsection I-2 28°08'30.0"N 15°24'30.0"W
Chartlet E, depicting changes in hydrography,
topography and aids to navigation from
Subsection I-2 28°07'30.0"N 15°24'30.0"W
(26(299), 36(396)04 Cadiz; Spn CH 6100)

52031 1Ed. 2/1/92 LAST NM 42/04 46/04
Delete R Bn at light 36°00.1'N 5°36.5'W
(Spn LL)

52039 4Ed. 11/2/02 LAST NM 36/04 46/04
Delete RC at light 36°00'06"N 5°36'36"W
(Spn LL)

52040 17Ed. 9/27/86 LAST NM 30/04 46/04
Delete R Bn at light 36°00.1'N 5°36.5'W
(Spn LL)

52048 3Ed. 11/3/90 LAST NM 30/04 46/04
Add Depth 14.2 meters 35°53'48.6"N 5°18'21.0"W
(39(426)04 Cadiz)

53011 2Ed. 2/10/01 LAST NM 36/04 46/04
Add Wreck [K29] 39°52.0'N 15°43.0'E
(11(6)04 Genova)

53088 7Ed. 2/25/89 LAST NM 43/04 46/04
Change Light to 3 F RWR 3-5M (vert) 44°16'03.5"N 8°26'50.0"E
(Ital LL)

53101 7Ed. 1/29/94 LAST NM 43/04 46/04
Change Characteristic of light to 2 FGR 44°17'28"N 8°27'48"E
(Ital LL)

53180 10Ed. 1/21/95 LAST NM 44/04 46/04
Add Wreck [K29] 39°52.0'N 15°43.0'E
(11(6)04 Genova)

53203 11Ed. 3/23/96 LAST NM 44/04 46/04
Substitute CAUTIONS note for CAUTION note from
Subsection I-2 35°42'48"N 14°07'24"E
Change Legend "SEE CAUTION" to "CAUTION
NO 1" 35°59'18"N 14°16'24"E
Legend "SEE CAUTION" to "CAUTION
NO 1" 36°01'48"N 14°23'06"E
Add Legend "CAUTION NO 2" 35°48'36"N 14°24'36"E
(29/04 Valletta)

53205 3Ed. 6/22/96 LAST NM 28/04 46/04
Add Legend "SEE CAUTION" 35°48'42.0"N 14°24'30.0"E
CAUTION note from Subsection I-2
35°47'18.0"N 14°18'00.0"E
(29/04 Valletta)

54125 3Ed. 8/17/02 LAST NM 44/04 46/04
Add Light Fl(2) G 5s 6m 4M 45°10.7'N 13°35.6'E
(7(1)04 Split)

54223 2Ed. 1/21/95 LAST NM 8/03 46/04
Delete Purple composite line joining 43°30'24.2"N 16°26'20.0"E
43°30'04.0"N 16°25'50.0"E
43°30'05.9"N 16°26'09.8"E
Add Purple composite line between 43°30'05.9"N 16°26'09.4"E
43°30'10.0"N 16°25'55.0"E
(6(3)04 Split)

54224 2Ed. 11/26/94 LAST NM 8/03 46/04
Delete Purple composite line between 43°30'05.9"N 16°26'09.4"E
43°30'04.5"N 16°25'46.5"E
Purple composite line between 43°30'26.0"N 16°26'17.0"E
43°30'09.0"N 16°25'53.5"E
Anchorage symbol (small vessels)
43°30'19.5"N 16°26'01.0"E
Add Purple composite line between 43°30'10.9"N 16°25'55.0"E
43°30'05.9"N 16°26'09.4"E
(6(3)04 Split)

SECTION I

NM 46/04

54363	3Ed. 7/14/84 LAST NM 6/04	46/04	
	Delete Sig Sta from light	40°50'37"N 25°52'30"E	
	(Gr LL)		
54368	4Ed. 2/4/95 LAST NM 50/03	46/04	
	Delete Sig Sta from light	40°50'37"N 25°52'30"E	
	(Gr LL)		
54372	2Ed. 1/21/95 LAST NM 20/02	46/04	
	Delete Sig Sta from light	40°50'37.0"N 25°52'30.0"E	
	(Gr LL)		
55049	6Ed. 8/24/96 LAST NM 45/04	46/04	
	(Panel A)		
	Add Buoy, can	40°42'54.0"N 29°43'09.6"E	
	Buoy, can	40°42'55.8"N 29°43'24.6"E	
	(29(121)04 Istanbul)		
55060	7Ed. 2/15/97 LAST NM 36/04	46/04	
	Delete Buoy	44°04'22.2"N 28°43'56.4"E	
	(Supersedes 36/04-55060)		
	(8(112)04 Constanta)		
55084	7Ed. 6/1/96 LAST NM 44/04	46/04	
	Add Beacon L Fl G 6s 2M	46°20'47.0"N 30°38'46.3"E	
	(31(4635)04 St. Petersburg)		
55101	4Ed. 8/24/96 LAST NM 40/04	46/04	
	Add Position circle "RADAR TR (30)"	46°55'53"N 31°59'03"E	
	(31(4638)04 St. Petersburg)		
55103	2Ed. 4/6/96 LAST NM 44/04	46/04	
	Delete Depth 8.8 meters Obstn	44°37'12.2"N 33°30'30.4"E	
	Add Depth 3.9 meters Obstn [K41]	44°37'10.7"N 33°30'32.1"E	
	Depth 42 meters Obstn [K41]	44°36'51.4"N 33°26'07.2"E	
	(31(4641, 4642)04 St. Petersburg)		
55104	2Ed. 4/20/96 LAST NM 44/04	46/04	
	Add Depth 42 meters Obstn [K41]	44°36'51"N 33°26'07"E	
	(31(4642)04 St. Petersburg)		
55128	2Ed. 3/18/00 LAST NM 42/04	46/04	
	(Plan)		
	Add Submarine cable [L30.1] between	44°43'02.1"N 37°48'17.2"E	
		44°43'03.5"N 37°48'25.4"E	
	(31(4647)04 St. Petersburg)		
55131	1Ed. 11/16/96 LAST NM 44/04	46/04	
	Add Buoy "1" G, pillar, cone topmark, Fl G 3s	45°19.4'N 29°47.8'E	
	(31(4632)04 St. Petersburg)		
★62194	8Ed. 1/19/02 LAST NM 39/04	46/04	
	Add Depth 7 meters "Rep (2004)" [I3.2]	29°40'43"N 32°24'22"E	
	(NTM0011/2004)		
62340	3Ed. 12/12/98 LAST NM 13/04	46/04	
	(Continuation)		
	Add Rock which covers and uncovers with drying	20°32.3'N 58°08.4'E	
	height 2 meters [K11]		
	(9(7)04 Muscat)		
★62434	9Ed. 12/8/01 LAST NM 40/04	46/04	
	Add Dangerous wreck "Rep (2004)" [K28]	29°43'18"N 48°47'54"E	
	(See 31/04-62434)		
	(NTM0005/2004)		
62570	4Ed. 1/26/02 LAST NM 44/04	46/04	
	Add Dangerous wreck "Rep (2004)" [K28]	29°43'18"N 48°47'54"E	
	(See 31/04-62570)		
	(NTM0005/2004)		
62590	2Ed. 5/29/99 LAST NM 40/04	46/04	
	Add Dangerous wreck "Rep (2004)" [K28]	29°43'18"N 48°47'54"E	
	(See 31/04-62590)		
	(NTM0005/2004)		
62591	3Ed. 5/29/99 LAST NM N40/04	N46/04	
	Add Dangerous wreck "Rep (2004)" [K28]	29°43'18"N 48°47'54"E	
	(See N31/04-62591)		
	(NTM0005/2004)		
73552	4Ed. 4/3/99 LAST NM 18/04	46/04	
	Delete Depth 25.3 meters	9°45'20"S 143°18'35"E	
	Drying height 3.1 meters	9°45'55"S 143°18'42"E	
	Change Height of beacon to 10m	9°53'48"S 143°13'04"E	
	(See 18/04-73552)		
	Add Beacon YBY, double cone topmark		
	points together, Q(9) 15s 9m 11M [Q130.3]	9°45'56"S 143°19'09"E	
	(1(48), 3(102)04 Wollongong)		
74184	10Ed. 11/28/98 LAST NM 11/04	46/04	
	Delete Depth 4.5 meters	26°48'03"S 153°09'35"E	
	Add Dangerous wreck [K28]	26°48'00"S 153°09'31"E	
	(3(97)04 Wollongong)		
74285	2Ed. 8/23/97 LAST NM 50/03	46/04	
	Delete Depth 25.5 meters	9°45.3'S 143°18.5'E	
	Drying height 3.1 meters	9°46.0'S 143°18.4'E	
	(See 50/03-74285)		
	Add Beacon YBY, double cone topmark		
	points together, Q(9) 15s 9m 11M [Q130.3]	9°45.9'S 143°19.1'E	
	(1(48), 3(102)04 Wollongong)		
74290	11Ed. 9/6/97 LAST NM 44/04	46/04	
	Change Height of beacon to 10m	9°53.8'S 143°13.1'E	
	(See 50/03, 18/04-74290)		
	Add Beacon YBY, double cone topmark		
	points together, Q(9) 15s 9m 11M [Q130.3]	9°45.9'S 143°19.1'E	
	(1(48), 3(102)04 Wollongong)		
74293	7Ed. 7/26/97 LAST NM 44/04	46/04	
	Change Height of beacon to 10m	9°53'48"S 143°13'04"E	
	(See 18/04-74293)		
	(3(102)04 Wollongong)		
74376	5Ed. 11/25/95 LAST NM 44/03	46/04	
	Add Dashed-line circle "Marine Farm" (PA)	11°39'36"S 136°48'58"E	
	(3(103)04 Wollongong)		
74492	7Ed. 4/8/95 LAST NM 16/02	46/04	
	Change Legend to "14.4m"	20°15'12.0"S 118°34'24.0"E	
	Legend to "14.3m"	20°17'42.0"S 118°35'09.0"E	
	Legend to "14.4m"	20°18'42.0"S 118°34'18.0"E	
	Legend to "14.5m"	20°18'56.0"S 118°34'15.0"E	
	Legend to "14.6m"	20°19'06.0"S 118°34'19.0"E	
	Legend to "14.8m"	20°19'14.0"S 118°34'36.0"E	
	Legend to "9.3m"	20°19'25.0"S 118°34'38.0"E	
	(Aus CH 54)		
74494	2Ed. 8/19/95 LAST NM 16/03	46/04	
	Substitute Drying height [I15] 6.3 meters for 5.9 meters	20°18'16.2"S 118°34'17.4"E	
	Change Legend to "Maintained depth 9.3m"	20°19'23.8"S 118°34'34.2"E	
	Legend to "Maintained depth 14.8m"	20°19'14.1"S 118°34'29.5"E	
	Legend to "Maintained depth 19.2m"	20°19'12.3"S 118°34'42.1"E	

(continued on next page)

<p>74494 (Continued) Legend to "Nelson Point Wharf (NP)" 20°19'11.3"S 118°34'44.4"E Legend to "Maintained depth 14.3m" 20°18'12.5"S 118°34'50.0"E Legend to "Maintained depth 14.3m" 20°17'11.8"S 118°35'14.3"E Legend to "Maintained depth 14.4m" 20°16'08.0"S 118°34'51.5"E (3(105)04 Wollongong; Aus CH 54)</p>	<p style="text-align: right;">Danger circle "Wavemeter" (38(975)04 Tokyo)</p>	<p style="text-align: right;">42°33'13"N 141°48'05"E</p>
<p>74555 3Ed. 8/30/97 LAST NM 12/04 46/04 Add Depth 5.5 meters Wk [K26] 33°20.6'S 115°33.9'E (3(107)04 Wollongong)</p>	<p>97159 6Ed. 8/3/91 LAST NM 36/04 46/04 Delete Light (38(977)04 Tokyo)</p>	<p style="text-align: right;">35°02'17"N 138°30'56"E</p>
<p>74590 2Ed. 5/24/97 LAST NM 51/02 46/04 Add Depth 5.5 meters Wk [K26] 33°20'35"S 115°33'53"E (3(107)04 Wollongong)</p>	<p>97163 14Ed. 9/2/95 LAST NM 11/04 46/04 Delete Light (38(977)04 Tokyo)</p>	<p style="text-align: right;">35°02'17.5"N 138°30'57.0"E</p>
<p>74591 7Ed. 8/29/98 LAST NM 12/04 46/04 Delete Depth 15.3 meters 33°20'41.4"S 115°34'01.2"E Add Depth 5.5 meters Wk [K26] marked by buoy Y, spar, Fl Y 4s 33°20'34.8"S 115°33'53.0"E (3(107)04 Wollongong)</p>	<p>97164 1Ed. 5/18/91 LAST NM 52/03 46/04 Delete Light (38(977)04 Tokyo)</p>	<p style="text-align: right;">35°02'17.5"N 138°30'57.0"E</p>
<p>75263 9Ed. 9/27/97 LAST NM 1/04 46/04 Add "X" topmark to buoy 33°58'48.6"S 151°12'12.6"E Beacon Y, "X" topmark, Fl(4) Y 10s [Q130.6] 33°59'54.7"S 151°12'50.2"E (3(95)04 Wollongong)</p>	<p>97261 15Ed. 1/31/98 LAST NM 43/04 46/04 Add Fish haven symbol [K46.1] 34°12'19"N 132°44'24"E (38(982)04 Tokyo)</p>	<p style="text-align: right;">34°12'19"N 132°44'24"E</p>
<p>96016 7Ed. 4/20/91 LAST NM 51/03 46/04 Delete Legend "PD" 52°13.9'N 143°27.0'E (15(2237)04 St. Petersburg)</p>		
<p>96181 5Ed. 7/4/98 LAST NM 25/04 46/04 Add (Plan B) Solid line (jetty) [F14] between 49°09'43.6"N 142°03'19.7"E 49°09'45.9"N 142°03'16.2"E (17(2572)04 St. Petersburg)</p>		
<p>96320 4Ed. 11/18/95 LAST NM 51/03 46/04 Delete Legend "PD" 52°13.9'N 143°25.7'E (15(2237)04 St. Petersburg)</p>		
<p>96381 2Ed. 6/10/89 LAST NM 50/03 46/04 Add Depth 2.9 meters 52°33'50"N 141°23'59"E Depth 3.4 meters 52°34'48"N 141°23'29"E Depth 3.8 meters 52°35'16"N 141°21'37"E Depth 3.8 meters 52°35'19"N 141°22'50"E Depth 3.8 meters 52°35'55"N 141°22'03"E (17(2571)04 St. Petersburg)</p>		
<p>96382 2Ed. 7/22/89 LAST NM 21/03 46/04 Add Depth 2.9 meters 52°33'50"N 141°23'59"E Depth 3.4 meters 52°34'48"N 141°23'29"E Depth 3.8 meters 52°35'16"N 141°21'37"E Depth 3.8 meters 52°35'19"N 141°22'50"E Depth 3.8 meters 52°35'55"N 141°22'03"E (17(2571)04 St. Petersburg)</p>		
<p>96880 6Ed. 12/2/95 LAST NM 8/02 46/04 Delete "AREA 23 CAUTION NO 5" in vicinity 50°46'30"N 155°50'30"E Caution No. 5 from CAUTIONS note 49°50'00"N 157°15'00"E (18(2737)04 St. Petersburg)</p>		
<p>96910 1Ed. 3/5/77 LAST NM 10/03 46/04 Delete "AREA 23 CAUTION NO 4" in vicinity 50°46'30"N 155°50'30"E (18(2737)04 St. Petersburg)</p>		
<p>96962 4Ed. 8/9/97 LAST NM 39/04 46/04 Delete Submarine cable in vicinity 42°34'24"N 141°48'04"E</p>		

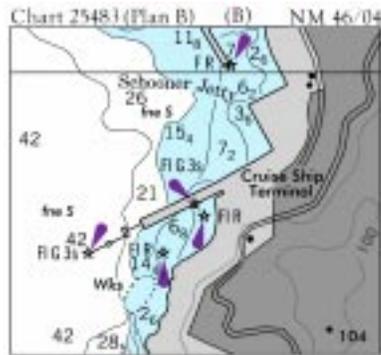
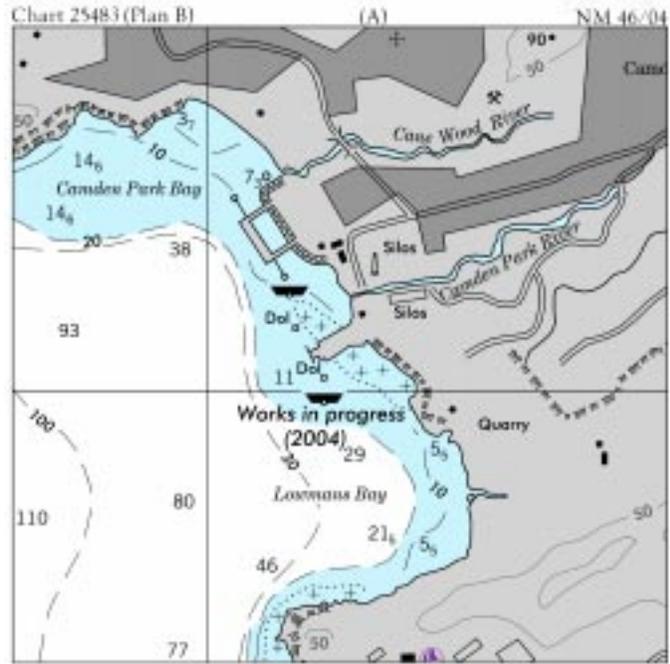
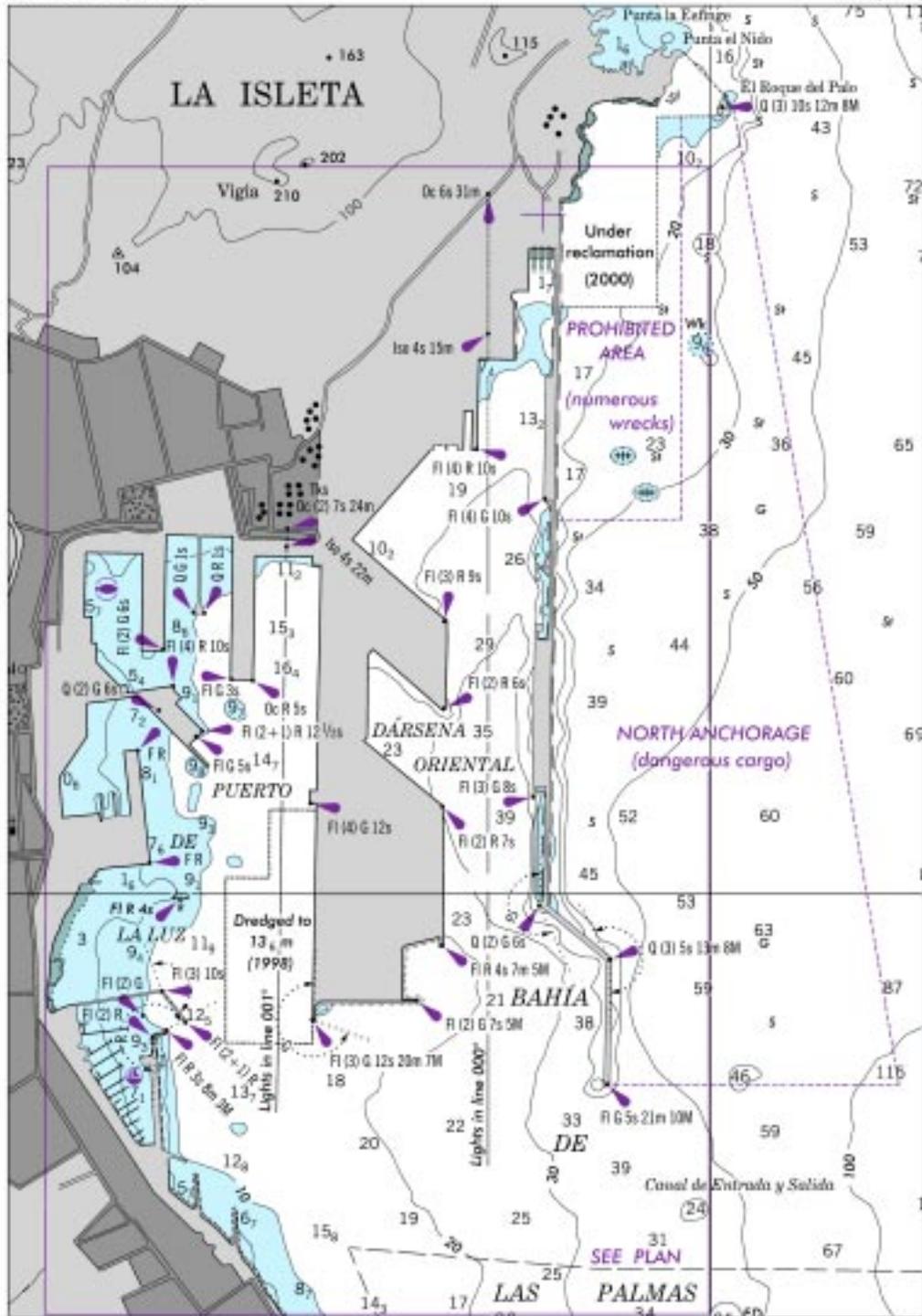
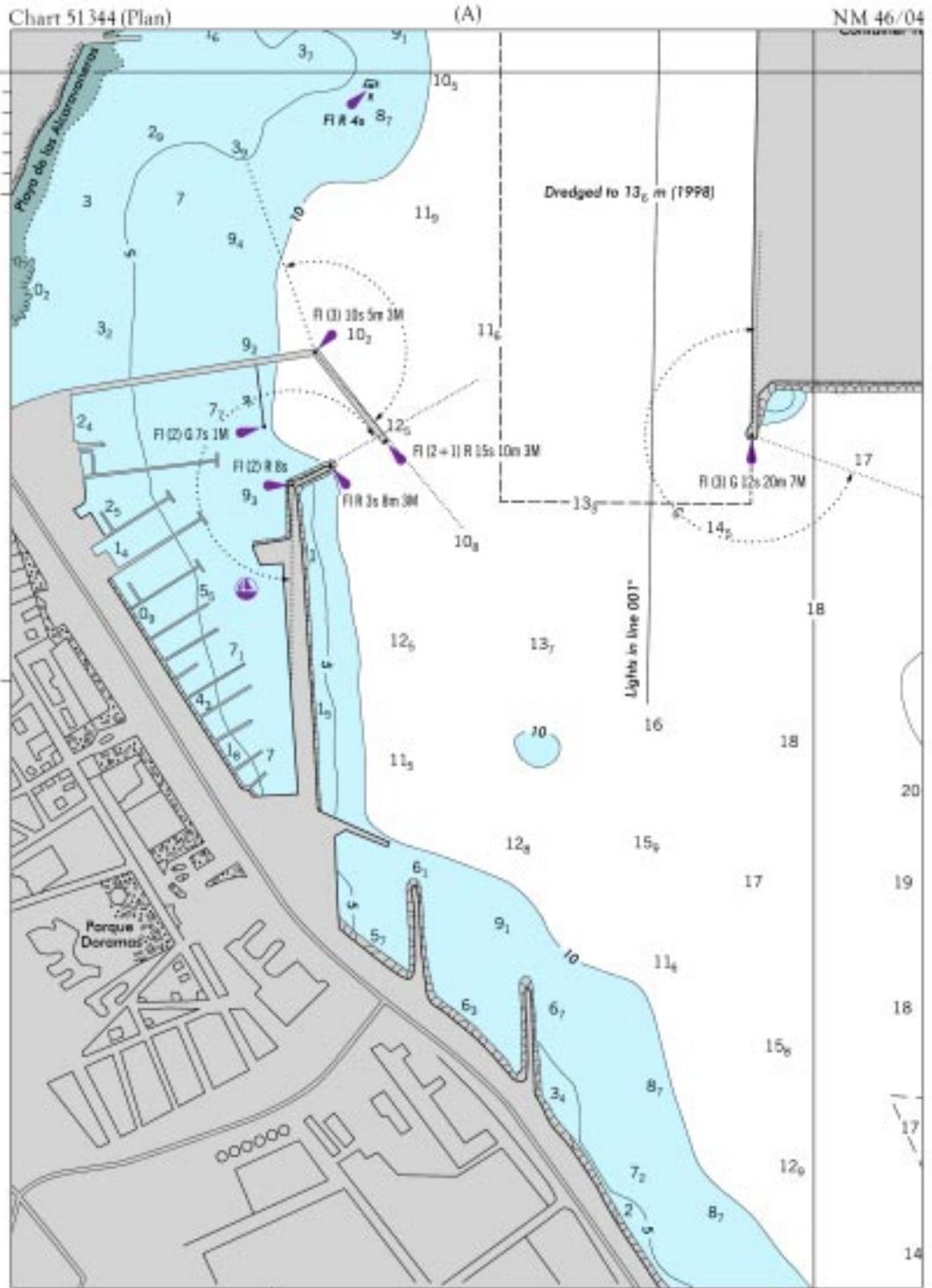
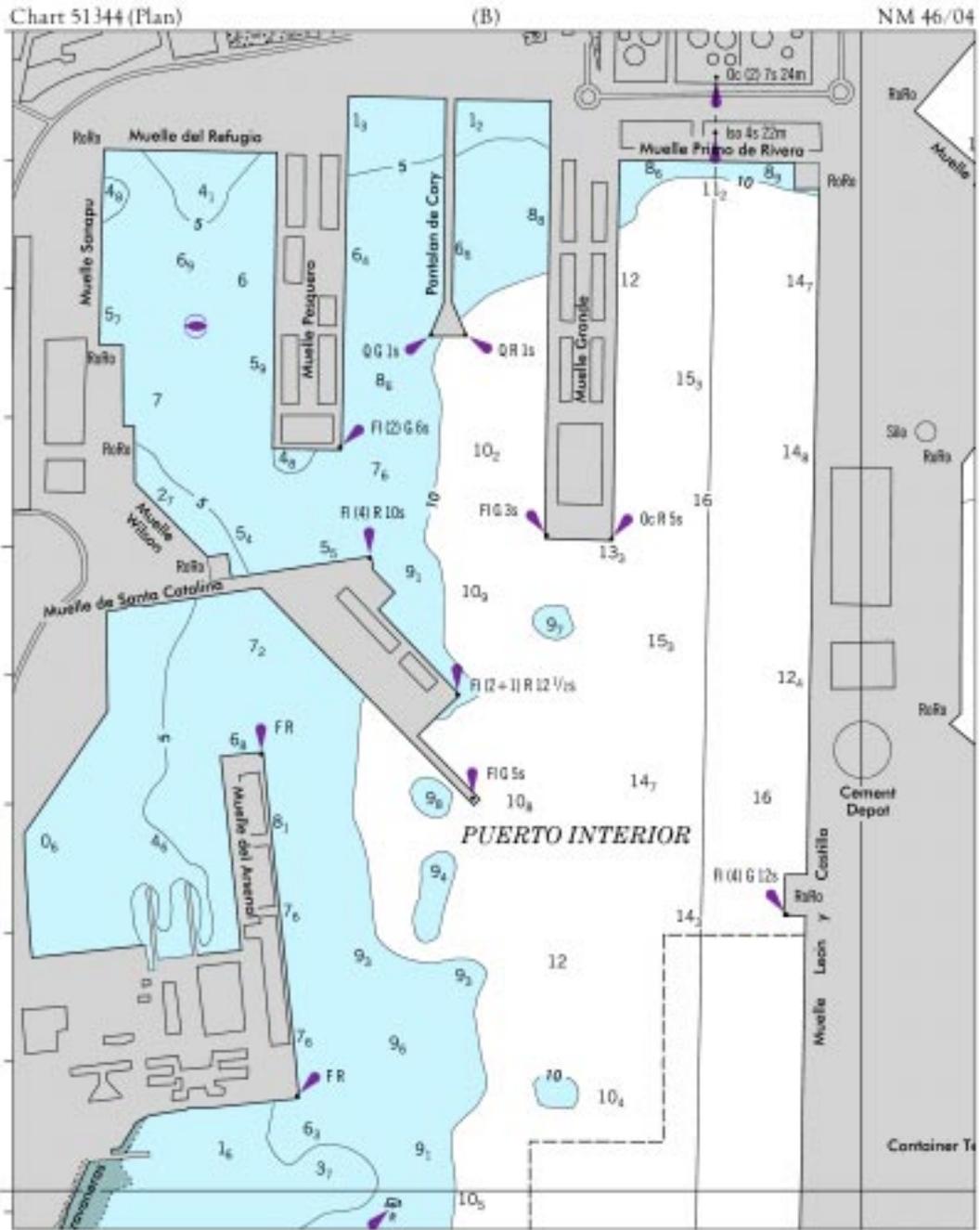


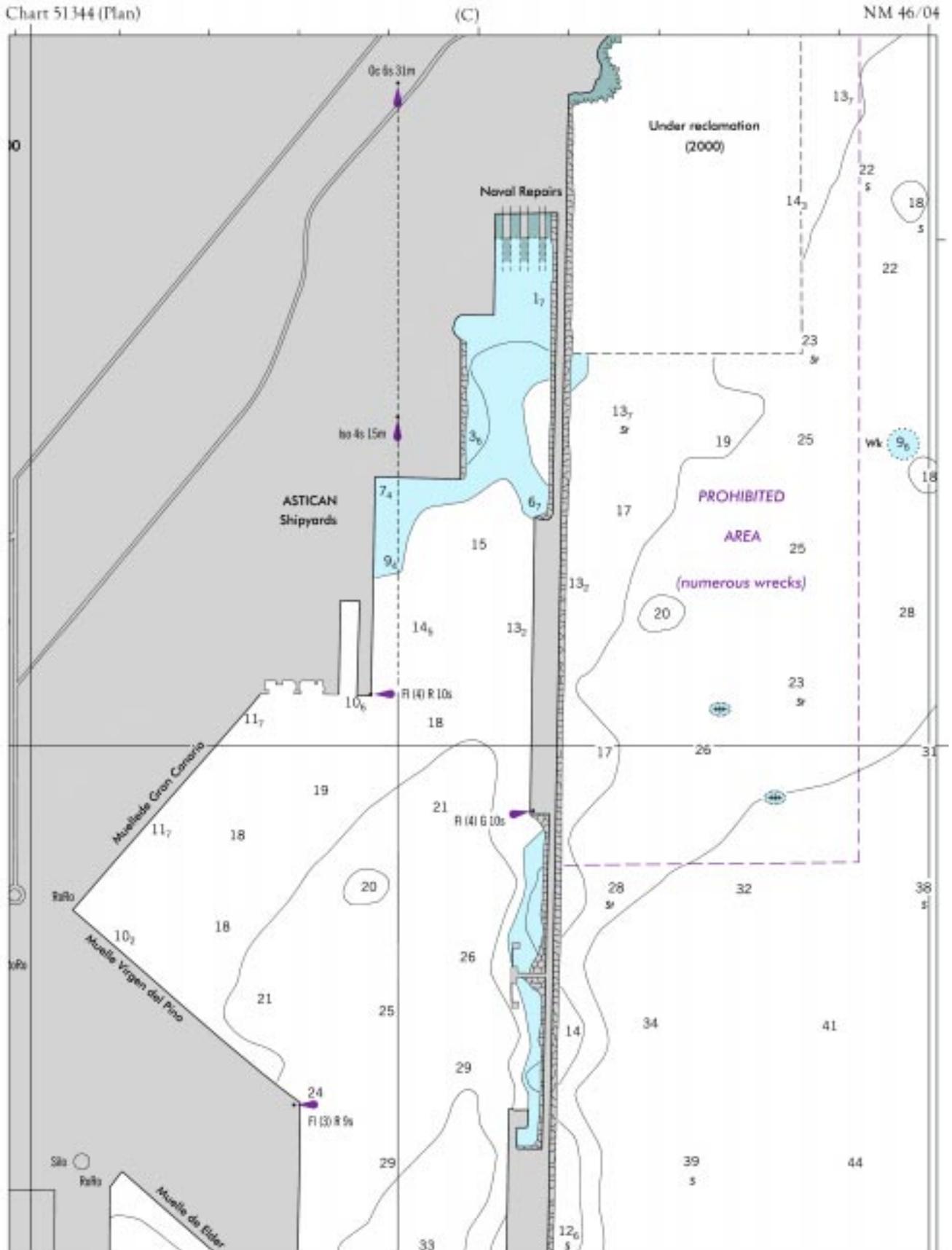
Chart 51344 (Panel A)

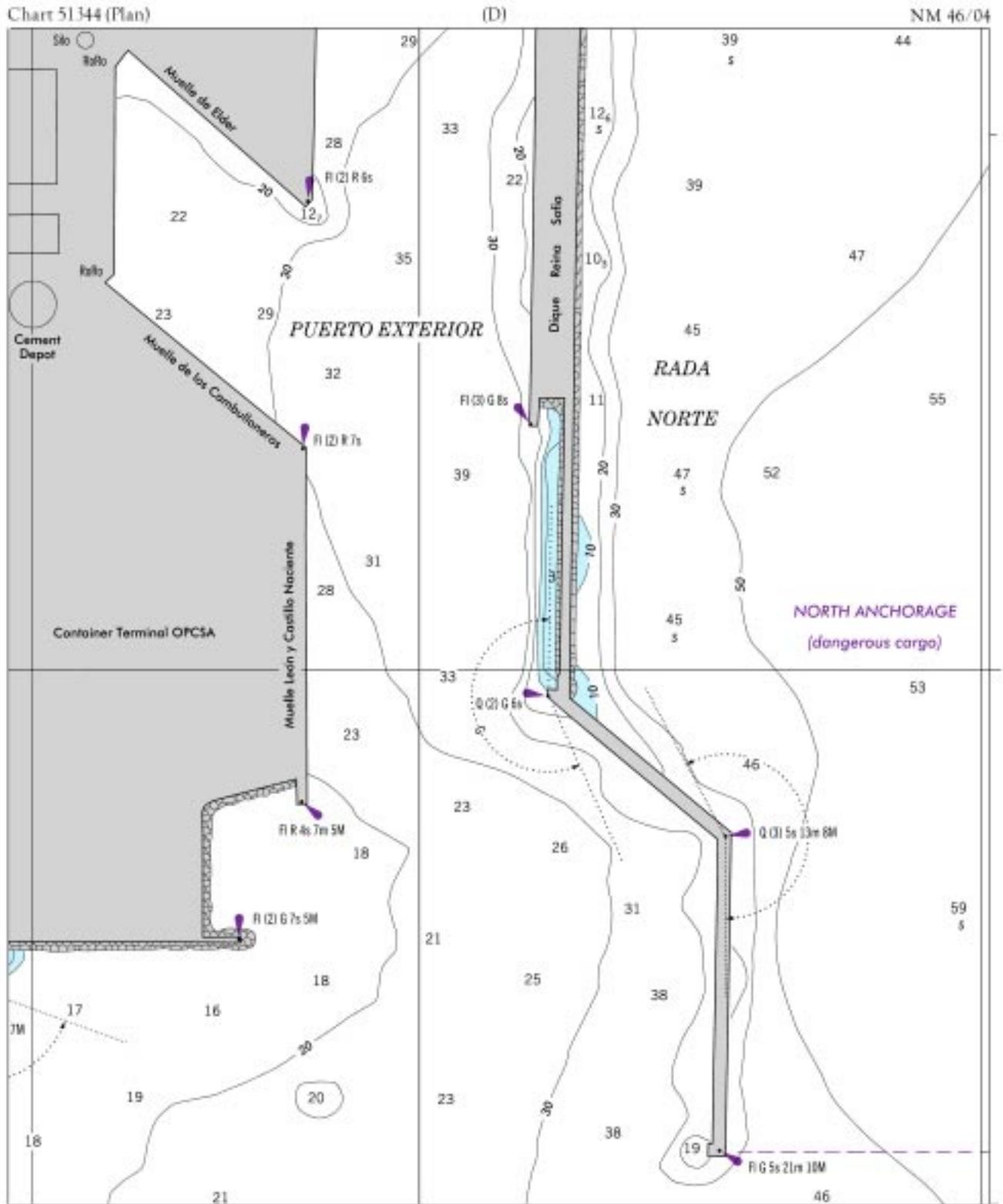
NM 46/04

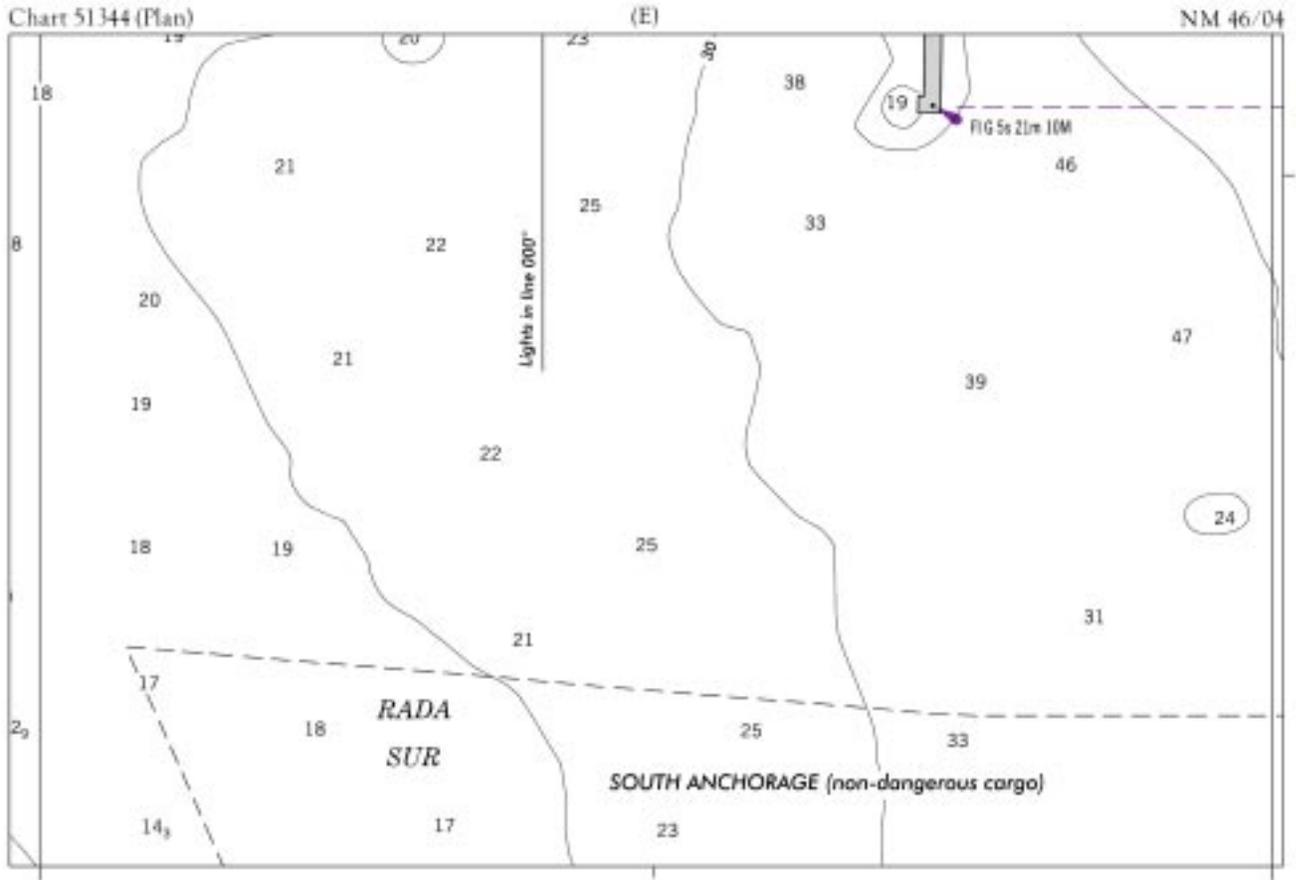












SECTION I

NM 46/04

Chart 11301

NM 46/04

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	44.0	42.0	41.0	6-04	300	1.7	44
JETTY CHANNEL	40.0	39.0	37.0	6-04	300-400	1.7	42
LAGUNA MADRE CHANNEL	34.0	41.0	35.0	1-04	250	2.5	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA							
CHICA PASSING BASIN	41.0	43.0	42.0	1-04	250	3.5	42
BOCA CHICA PASSING							
BASIN TO GOOSE I.							
PASSING BASIN	38.0	41.0	39.0	1-04	250	4.7	42
GOOSE I. PASSING							
BASIN TO BROWNSVILLE							
TURNING BASIN	41.0	44.0	43.0	1-04	300	2.4	42
BROWNSVILLE TURNING BASIN	29.0	36.0	34.0	1-04	500-1200	1.7	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN							
(INCLUDING WIDENER AT JUNCTION)	35.0	35.0	34.0	1-04	200	1.0	36
PORT ISABEL TURNING BASIN	34.0	35.0	34.0	1-04	1000	0.2	36
CUT OFF CHANNEL	32.0	32.0	30.0	1-04	200	0.9	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11302 (Side B)

NM 46/04

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	44.0	42.0	41.0	6-04	300	1.7	44
JETTY CHANNEL	40.0	39.0	37.0	6-04	300-400	1.7	42
LAGUNA MADRE CHANNEL	34.0	41.0	35.0	1-04	250	2.5	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA							
CHICA PASSING BASIN	41.0	43.0	42.0	1-04	250	3.5	42
BOCA CHICA PASSING							
BASIN TO GOOSE I.							
PASSING BASIN	38.0	41.0	39.0	1-04	250	4.7	42
GOOSE I. PASSING							
BASIN TO BROWNSVILLE							
TURNING BASIN	41.0	44.0	43.0	1-04	300	2.4	42
BROWNSVILLE TURNING BASIN	29.0	36.0	34.0	1-04	500-1200	1.7	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN							
(INCLUDING WIDENER AT JUNCTION)	35.0	35.0	34.0	1-04	200	1.0	36
PORT ISABEL TURNING BASIN	34.0	35.0	34.0	1-04	1000	0.2	36
CUT OFF CHANNEL	32.0	32.0	30.0	1-04	200	0.9	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

Chart 11305

NM N46/04

CORPUS CHRISTI CHANNEL DEPTHS Tabulated from surveys by the Corps of Engineers - Report of August 2004								
Controlling depths from seaward in feet at mean lower low water (MLLW)						Project Dimensions		
Name of channel	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length (Nautical Miles)	Depth MLLW (Feet)
Aransas Pass Outer Bar	48	49	49	46	3-04	700-600	2.42	47
Jetty Channel to Cline Point	49	46	45	43	8-03	600	1.11	47-45
Inner Basin of Harbor Island	45	49	47	46	8-03	600-1559	0.5	45
Cline Point to West End Humble Oil Co. Basin	52	56	56	53	8-03	600	0.5	45
Thence to Corpus Christi	35	42	44	40	1/04-3/04	600-300	17.9	45
Channel to La Quinta	42	44	42	38	12/03	300-400	4.7	45

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11309

NM 46/04

CORPUS CHRISTI CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
ARANSAS PASS OUTER BAR	48.0	49.0	49.0	46.0	3-04	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	49.0	46.0	45.0	43.0	8-03	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	45.0	49.0	47.0	46.0	8-03	600-1559	0.5	45
CLINE POINT TO WEST END HUMBLE OIL CO. BASIN	52.0	56.0	56.0	53.0	8-03	600	0.5	45
THENCE TO CORPUS CHRISTI	35.0	42.0	44.0	40.0	1/04-3/04	600-300	17.9	45
CHANNEL TO LA QUINTA	42.0	44.0	42.0	38.0	12-03	300-400	4.7	45
TURNING BASIN	43.0	45.0	45.0	46.0	12-03	1200	.30	45

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11310

NM N46/04

CORPUS CHRISTI CHANNEL DEPTHS Tabulated from surveys by the Corps of Engineers - Report of August 2004								
Controlling depths from seaward in feet at mean lower low water (MLLW)						Project Dimensions		
Name of channel	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length (Nautical Miles)	Depth MLLW (Feet)
Aransas Pass Outer Bar	48	49	49	46	3-04	700-600	2.42	47
Jetty Channel to Cline Point	49	46	45	43	8-03	600	1.11	47-45
Inner Basin of Harbor Island	45	49	47	46	8-03	600-1559	0.5	45
Cline Point to West End Humble Oil Co. Basin	52	56	56	53	8-03	600	0.5	45
Thence to Corpus Christi	35	42	44	40	1/04-3/04	600-300	17.9	45
Channel to La Quinta	42	44	42	38	12-03	300-400	4.7	45

NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 46/04

Chart 11311

NM 46/04

CORPUS CHRISTI CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WEST END OF HUMBLE OIL CO. BASIN TO CORPUS CHRISTI	35.0	42.0	44.0	40.0	1/04-3/04	600-300	17.9	45
CORPUS CHRISTI: TURNING BASIN	43.0	46.0	43.0	40.0	3-04	300-800	1.1	45
INDUSTRIAL CANAL	42.0	44.0	46.0	43.0	2-02	400	0.5	45
AVERY POINT TURNING BASIN	41.0	44.0	44.0	41.0	2-02	400-975	0.4	45
CHEMICAL TURNING BASIN	40.0	46.0	44.0	40.0	2-02	400-1200	0.4	45
TULE LAKE CHANNEL	35.0	46.0	44.0	37.0	5-02	200-400	3.3	45
TULE LAKE TURNING BASIN	43.0	44.0	45.0	40.0	2-02	1200-300	0.4	45
CHANNEL TO VIOLA	45.0	46.0	45.0	40.0	2-02	300-200	1.5	45
VIOLA TURNING BASIN	42.0	46.0	45.0	40.0	2-02	700-900	0.3	45

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11312

NM 46/04

CORPUS CHRISTI CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ARANSAS PASS OUTER BAR	48.0	49.0	49.0	46.0	3-04	700-600	2.42	47
JETTY CHANNEL TO CLINE POINT	49.0	46.0	45.0	43.0	8-03	600	1.11	47-45
INNER BASIN AT HARBOR ISLAND	45.0	49.0	47.0	46.0	8-03	600-1559	0.5	45
CLINE POINT TO WEST END HUMBLE OIL CO. BASIN	52.0	56.0	56.0	53.0	8-03	600	0.5	45
THENCE TO CORPUS CHRISTI	35.0	42.0	44.0	40.0	1/04-3/034	600-300	17.9	45
CHANNEL TO LA QUINTA	42.0	44.0	42.0	38.0	12-03	300-400	4.7	45

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11316

NM 46/04

MATAGORDA SHIP CHANNEL								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)	
SEA BAR AND JETTY CHANNEL	41.0	40.0	40.0	7-04	300	3.21	38	
THENCE TO LIGHT 48	30.0	34.0	30.0	7-04	300-200	10.84	36	
THENCE TO LIGHT 76	32.0	32.0	29.0	7-04	200	7.42	36	
THENCE TO POINT COMFORT TURNING BASIN	29.0	31.0	31.0	7-04	200-399	0.98	36	
TURNING BASIN	32.0	32.0	31.0	7-04	1000	0.17	36	

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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Chart 11317

NM 46/04

MATAGORDA SHIP CHANNEL								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)	
SEA BAR AND JETTY CHANNEL	41.0	40.0	40.0	7-04	300	3.21	38	
THENCE TO LIGHT 48	30.0	34.0	30.0	7-04	300-200	10.84	36	
THENCE TO LIGHT 76	32.0	32.0	29.0	7-04	200	7.42	36	
THENCE TO POINT								
COMFORT TURNING BASIN	29.0	31.0	31.0	7-04	200-399	0.98	36	
TURNING BASIN	32.0	32.0	31.0	7-04	1000	0.17	36	
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11318

NM N46/04

CORPUS CHRISTI CHANNEL DEPTHS								
Tabulated from surveys by the Corps of Engineers - Report of August 2004								
Controlling depths from seaward in feet at mean lower low water (MLLW)						Project Dimensions		
Name of channel	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Date of Survey	Width (Feet)	Length (Nautical Miles)	Depth MLLW (Feet)
Avery Point Turning Basin	41	44	44	41	2-02	400-975	0.4	45
Industrial Canal	42	44	46	43	2-02	400	0.5	45
Corpus Christi Turning Basin	43	46	43	40	3-04	300-800	1.1	45
Corpus Christi Channel	35	42	44	40	1/04-3/04	600-300	17.9	45
La Quinta Channel	42	44	42	38	12-03	300-400	4.7	45
La Quinta Turning Basin	43	45	45	46	12-03	1200	0.3	45
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11329

NM 46/04

HOUSTON SHIP CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	37.0	40.0	42.0	38.0	6-04	400-525	4.20	40
EXXON OIL CO. SLIP TO CARPENTERS BAYOU (A)	34.0	36.0	41.0	36.0	11-03	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	36.0	40.0	37.0	32.0	3-04	400-300	4.70	40
A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO. B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP. INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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NM 46/04

Chart 11332

NM 46/04

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE BANK CHANNEL	40	42	42	35	7-04	800	12.8	42
OUTER BAR CHANNEL	39	41	40	37	6-04	800	3.0	42
JETTY CHANNEL	35	43	42	31	4-04	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11341

NM 46/04

SABINE PASS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE BANK CHANNEL	40	42	42	35	7-04	800	12.8	42
OUTER BAR CHANNEL	39	41	40	37	6-04	800	3.0	42
JETTY CHANNEL	35	43	42	31	4-04	800-500	3.5	40
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11342

NM 46/04

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	39	41	40	37	6-04	800	3.0	42
JETTY CHANNEL	35	43	42	31	4-04	800-500	3.5	40
PASS CHANNEL	21	27	40	25	1-04	500-1150	4.9	40
ANCHORAGE BASIN	33	21	11	1	1-04	1500	0.5	40
PORT ARTHUR SHIP CANAL	36	41	39	34	5-04	500	4.8	40
JUNCTION PORT ARTHUR- SABINE NECHES CANALS	29	37	32	29	7-04	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR								
TURNING BASINS	36	39	39	37	4-04	282-735	0.2	40
EAST TURNING BASIN	39	39	39	38	4-04	370-547	0.3	40
WEST TURNING BASIN	38	38	39	38	4-04	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND								
TAYLOR BAYOU TURNING BASIN	38	42	41	37	4-04	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	23	38	39	33	4-04	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	35	40	38	30	6-04	400	9.6	40
NECHES RIVER TO SABINE RIVER	23	26	26	24	7-04	200	3.9	30
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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NM 46/04

Chart 11343

NM 46/04

SABINE AND NECHES RIVERS CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE-NECHES CANAL :								
PORT ARTHUR TO NECHES RIVER	35	40	38	30	6-04	400	9.6	40
NECHES RIVER TO SABINE RIVER	23	26	26	24	7-04	200	3.9	30
NECHES RIVER:								
MOUTH TO SMITH BLUFF	26	33	38	35	6-04	400	8.3	40
TURNING BASIN AT DEER BAYOU	40	38	38	38	6-04	700	0.2	40
TURNING BASIN AT SMITHS BLUFF	41	39	40	38	6-04	1400-400	0.2	40
SMITH BLUFF TO BEAUMONT	33	38	37	29	2-04	400	7.5	40
TURNING BASIN (30°02'12"N, 94°01'58"W)	39	42	42	41	6-04	400-1306	0.2	40
CHANNEL EXTENSION	38	38	38	37	7-04	350	0.2	36
MANEUVERING AREA (30°04'44"N, 94°05'05"W)	35	38	37	32	2-04	400-1000	0.6	40
BEAUMONT TURNING BASIN	37	35	36	30	4-03	400-535	0.2	34
TURNING BASIN EXTENSION	33	33	29	23	5-04	300	0.2	34
THENCE TO TRINITY INDUSTRIES	13	21	19	13	5-04	200	0.6	30
SABINE RIVER:								
MOUTH TO ORANGE MUNICIPAL SLIP	27	31	31	26	2-04	200	6.6	30
ORANGE TURNING BASIN	31	32	32	31	2-04	200 - 1400	0.6	30
ORANGE MUNICIPAL SLIP	23	30	25	23	2-04	150-200	0.5	30
ORANGE MUNICIPAL SLIP TO OLD HIGHWAY BRIDGE SITE	31	31	31	29	2-04	200	2.2	30
CHANNEL AROUND ORANGE HARBOR ISLAND	13	17	19	18	4-04	150-200	1.6	25
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11412

NM 46/04

TAMPA BAY CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004 AND SURVEYS TO FEB 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
EGMONT CHANNEL	23.5	44.0	44.7	38.6	2-04	700-1000	3.9	45
MULLET KEY CHANNEL	39.2	42.5	43.2	38.4	2-04	600-900	2.9	43
CUT A CHANNEL	38.0	42.2	42.9	42.4	2-04	500-700	2.7	43
CUT B CHANNEL	43.0	42.7	43.0	41.5	2-04	500-700	3.4	43
CUT C CHANNEL	42.2	44.6	44.3	43.0	2-04	500-750	1.7	43
CUT D CHANNEL	42.8	43.4	44.0	41.6	2-04	500-650	2.1	43
CUT E CHANNEL	44.1	42.0	42.7	44.1	2-04	500-700	2.1	43
CUT F CHANNEL	40.5	43.3	43.0	42.6	2-04	500	1.6	43
EAST WIDNER	45.3	48.9	41.5	41.6	2-04	0-2880	0.4	43
WEST WIDNER	32.7	35.5	37.1	35.6	2-04	0-970	0.25	34
CUT G CHANNEL	34.5	38.8	35.4	31.8	2-04	400	2.7	34
GADSDEN PT. CUT	41.9	43.1	43.5	42.4	2-04	500	3.05	43
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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Chart 11415

NM 46/04

TAMPA BAY ENTRANCE CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004 AND SURVEYS TO FEB 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (MLLW) (FEET)
EGMONT CHANNEL	23.5	44.0	44.7	38.6	2-04	700-1000	3.9	45
MULLET KEY CHANNEL	39.2	42.5	43.2	38.4	2-04	600-900	2.9	43
CUT A CHANNEL	38.0	42.2	42.9	42.4	2-04	500-700	2.7	43
CUT B CHANNEL	43.0	42.7	43.0	41.5	2-04	500-700	3.4	43

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11416

NM 46/04

TAMPA BAY CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004 AND SURVEYS TO FEB 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (MLLW) (FEET)
MULLET KEY CHANNEL	39.2	42.5	43.2	38.4	2-04	600-900	2.9	43
CUT A CHANNEL	38.0	42.2	42.9	42.4	2-04	500-700	2.7	43
CUT B CHANNEL	43.0	42.7	43.0	41.5	2-04	500-700	3.4	43
CUT C CHANNEL	42.2	44.6	44.3	43.0	2-04	500-750	1.7	43
CUT D CHANNEL	42.8	43.4	44.0	41.6	2-04	500-650	2.1	43
CUT E CHANNEL	44.1	42.0	42.7	44.1	2-04	500-700	2.1	43
CUT F CHANNEL	40.5	43.3	43.0	42.6	2-04	500	1.6	43
EAST WIDENER	45.3	48.9	41.5	41.6	2-04	0-2880	0.4	43
WEST WIDENER	32.7	35.5	37.1	35.6	2-04	0-970	0.25	34
CUT G CHANNEL	34.5	36.8	35.4	31.8	2-04	400	2.7	34
G TO J WIDENER	35.5	36.7	37.5	33.0	2-04	0-770	.52	34
CUT J CHANNEL	33.2	35.0	33.8	34.2	2-04	400-450	1.2	34
CUT J2 CHANNEL	32.5	35.7	36.1	33.7	2-04	400-450	0.9	34
CUT K CHANNEL	33.5	36.4	37.3	34.3	2-04	400	2.0	34
CUT K TURNING BASIN	29.1	37.1	36.1	34.9	2-04	400-750	0.5	34
GADSDEN PT. CUT	41.9	43.1	43.5	42.4	2-04	500	3.05	43
HILLSBOROUGH BAY								
CUT A CHANNEL	38.9	44.1	43.4	41.6	2-04	500	1.0	43
A TO C WIDENER	35.5	43.3	41.1	40.0	2-04	0-1000	0.7	43
CUT C CHANNEL	40.1	42.8	42.6	39.9	2-04	500	5.6	43
CUT D CHANNEL	29.1	37.4	36.9	31.4	2-04	400	1.0	41
SEDDON CHANNEL	5.0	16.7	17.5	19.6	2-04	200	1.1	12
GARRISON CHANNEL (A)	24.8	26.7	27.6	27.8	2-04	300	0.4	30
SPARKMAN CHANNEL	29.4	35.5	35.0	29.6	12-03	400	1.2	34
YBOR TURNING BASIN	35.1	36.0	35.1	30.7	2-04	---	0.3	34
YBOR CHANNEL	25.7	27.2	29.2	23.1	2-04	400	0.6	34
PORT SUTTON ENTRANCE CHANNEL	41.6	42.6	43.4	38.1	12-03	400	0.3	43
SOUTH WIDENER	37.5	36.3	35.3	33.6	12-03	0-540	0.3	43
PORT SUTTON TURNING BASIN	36.4	41.4	39.2	40.2	2-04	400-1930	0.4	43
EAST BAY CHANNEL								
TO TURNING BASIN	39.2	41.7	43.6	41.4	2-04	600	0.6	43
TURNING BASIN	42.9	45.0	39.8	40.4	2-04	300-800	0.3	43
NORTHEAST OF TURNING BASIN	40.3	40.7	41.1	40.9	2-04	300	0.4	43
UPPER EAST BAY								
CHANNEL TO UPPER BASIN	32.6	34.8	34.7	34.9	2-04	300	0.6	34
TURNING BASIN	34.0	36.5	33.1	31.0	2-04	300-789	0.5	34

A. GARRISON CHANNEL HAS BEEN DEAUTHORIZED AS A FEDERALLY MAINTAINED NAVIGATION PROJECT. SHOALING THROUGHOUT WESTERN PORTION OF CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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NM 46/04

Chart 11505

NM 46/04

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	44.0	43.5	44.5	44.0	08-04	600	3.3	44
BLOODY POINT RANGE	44.0	44.0	44.0	42.0	08-04	600	3.0	44
JONES ISLAND RANGE	43.5	42.5	44.0	43.5	08-04	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	43.5	44.0	43.0	08-04	500	2.5	42
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR. NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS. NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11506

NM 46/04

BRUNSWICK HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)	
BAR CHANNEL (ST SIMON RANGE)	37.0	37.5	A36.5	8-04	500	7.7	32	
PLANTATION CREEK RANGE	38.0	41.0	39.0	8-04	400	1.8	32	
JEKYLL ISLAND RANGE	30.5	32.0	32.0	8-04	400	1.9	30	
CEDAR HAMMOCK RANGE	29.0	31.0	28.0	8-04	400	1.4	30	
BRUNSWICK PT CUT RANGE	28.0	28.0	29.0	8-04	400	2.4	30	
EAST RIVER LOWER REACH	B31.5	31.5	30.0	8-04	400	1.1	30	
UPPER REACH	26.0	27.0	25.5	8-04	350	1.0	27	
EAST RIVER TURNING BASIN	32.0	33.0	33.0	8-04	750	0.2	30	
TURTLE RIVER LOWER RANGE	33.0	29.0	29.0	8-04	300	1.7	30	
BLYTHE ISLAND RANGE	31.0	26.0	26.0	8-04	300	1.5	30	
TURTLE RIVER UPPER RANGE	27.0	26.0	26.0	8-04	300	1.7	30	
SOUTH BRUNSWICK RIVER	29.5	31.0	31.5	8-04	400	1.3	30	
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W. B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 27.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE. NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN) NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

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NM 46/04

Chart 11512

NM 46/04

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	44.0	43.5	44.5	44.0	8-04	600	3.3	44
BLOODY POINT RANGE	44.0	44.0	44.0	42.0	8-04	600	3.0	44
JONES ISLAND RANGE	43.5	42.5	44.0	43.5	8-04	600	1.2	44
TYBEE KNOLL CUT RANGE	43.0	43.5	44.0	43.0	8-04	500	2.5	42
NEW CHANNEL RANGE (A)	41.0	43.0	44.0	42.0	8-04	500	1.6	42
L. I. CROSSING RANGE	44.0	44.0	44.5	42.0	8-04	500	2.6	42
LOWER FLATS RANGE	43.5	46.5	46.0	43.5	8-04	500	1.3	42
UPPER FLATS RANGE	47.0	48.0	47.0	46.0	8-04	500	1.2	42
THE BIGHT CHANNEL	46.0	47.5	48.0	47.0	8-04	500	1.5	42
FT. JACKSON RANGE	47.0	48.0	48.0	45.0	8-04	500	0.7	42
OGLETHORPE RANGE	43.5	46.0	46.0	45.0	8-04	500	1.2	42
WRECKS CHANNEL (B)	42.0	44.5	48.0	47.0	8-04	500	1.5	42
CITY FRONT CHANNEL	42.0	45.0	44.5	38.0	8-04	500	1.5	42
MARSH ISLAND CHANNEL (C)	42.0	44.0	45.0	42.0	8-04	500	1.7	42
KINGS ISLAND CHANNEL (D)	39.0	38.0	37.0	38.0	8-04	500	2.1	42
WHITEHALL CHANNEL (E)	30.5	32.5	35.0	37.0	8-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	31.0	32.0	12-94;8-04	200	1.2	30

A. OYSTER BED I. TURNING BASIN-CONTROLLING DEPTH 42.0 FT, 38.0 FT 100 FT FROM BACKSIDE.
 B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
 C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 44.0 FT 100 FT FROM BACKSIDE.
 E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE.
 F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
 NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A)

NM 46/04

SAVANNAH RIVER CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	43.5	46.0	46.0	45.0	8-04	500	1.2	42
WRECKS CHANNEL (A)	42.0	44.5	48.0	47.0	8-04	500	1.5	42
CITY FRONT CHANNEL	42.0	45.0	44.5	38.0	8-04	500	1.5	42
MARSH ISLAND CHANNEL (B)	42.0	44.0	45.0	42.0	8-04	500	1.7	42
KINGS ISLAND CHANNEL (C)	39.0	38.0	37.0	38.0	8-04	500	2.1	42
WHITEHALL CHANNEL (D)	30.5	32.5	35.0	37.0	8-04	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	31.0	32.0	12-94; 8-04	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 39.0 FT, 30.0 FT 100 FT FROM BACKSIDE.
 B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 35.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 46.0 FT, 44.0 FT 100 FT FROM BACKSIDE.
 D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT 100 FT FROM BACKSIDE.
 E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
 NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
 NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
 NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 46/04

Chart 12327

NM 46/04

NEW YORK HARBOR - LOWER BAY - CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2004 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
AMBROSE CHANNEL	39.9	45.9	45.8	41.7	4-03	2000	9.2	45
SANDY HOOK CHANNEL (EAST)	38.0	40.8	38.7	31.1	9-03	A800-2200	3.5	A35
SANDY HOOK CHANNEL	22.3	38.7	36.9	33.9	9-03	800	2.4	35
CHAPEL HILL:								
SOUTH CHANNEL	28.5	29.5	30.1	27.7	10-02	1000	2.7	30
NORTH CHANNEL	28.7	29.1	29.0	27.9	10-02	1000	1.8	30
TERMINAL CHANNEL	44.2	45.7	46.0	44.0	2-97	400	0.8	35
KEYPORT HARBOR CHANNEL	5.1	6.5	6.0	5.2	8-03	100-200	0.9	8
RARITAN BAY EAST REACH	34.9	37.8	37.0	33.6	12-02;1-03	600	4.0	35
RARITAN BAY WEST REACH	32.9	38.5	39.1	31.0	12-02;1-03	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.2	35.1	34.7	33.2	12-01;2,3-03	600-800	1.3	35
RARITAN RIVER CUT OFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25

A. THE NAVAL FACILITIES ENGINEERING COMMAND MAINTAINS A 45 FOOT PROJECT FOR A WIDTH OF 600 FEET IN SANDY HOOK CHANNEL (EAST) TO THE TURNING BASIN.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12327

NM 46/04

ARTHUR KILL, KILL VAN KULL, NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- REPORT OF JUL 2004 AND SURVEYS TO MAR 2004			
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			
NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
ARTHUR KILL (OUTERBRIDGE REACH TO NORTH OF SHOOTERS I. REACH)	A17.4	800-500	2,3-03;3-04
KILL VAN KULL (CONSTABLE HOOK REACH TO BERGEN POINT W. REACH)	36.8	2000-800	2-97;10-02
SOUTH OF SHOOTERS I. REACH	B5.0	400	8-90
NEWARK BAY (NEWARK BAY SOUTH REACH TO DROYERS POINT REACH)	C20.3	1750-300	12-01;3-04
PASSAIC RIVER (KEARNY POINT REACH TO ARLINGTON REACH)	D0.4	300-200	7-03
HACKENSACK RIVER (DROYERS POINT REACH TO TURNING BASIN)	16.7	300-800	7-03

A. A DEPTH OF 34.0 FEET WAS AVAILABLE IN THE MIDDLE HALF.
B. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS.
 THERE IS A MINIMUM DEPTH OF 5.9 FEET OVER WRECKAGE.
C. EXCEPT FOR SHOALING TO 7.7 FEET IN THE RIGHT OUTSIDE QUARTER AT
 40° 42' 11.4" N, 74° 06' 56.1" W.
D. A DEPTH OF 4.7 FEET WAS AVAILABLE IN THE MIDDLE HALF.
NOTE - SEE LARGE SCALE CHARTS FOR MORE DETAIL OF REACHES.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS
SUBSEQUENT TO THE ABOVE

SECTION I

NM 46/04

Chart 12331

NM 46/04

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2004 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
RARITAN BAY WEST REACH	32.9	38.5	39.1	31.0	12-02;1-03	600	2.4	35
SEGUINE POINT BEND	28.5	35.1	38.4	29.7	9-01	600-800	1.2	35
RED BANK REACH	34.0	40.3	40.5	34.2	9-01	600	1.2	35
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.2	35.1	34.7	33.2	12-01;2,3-03	600-800	1.3	35
OUTERBRIDGE REACH	34.0	34.2	36.1	35.3	2,3-03;3-04	600	1.6	35
PORT SOCONY REACH	29.9	34.3	35.5	34.3	3-04	600-800	0.8	35
PORT READING REACH	19.6	34.5	35.1	27.2	3-04	500	1.8	35
FRESH KILLS REACH	31.7	35.0	36.2	33.0	3-04	500	1.8	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12332

NM 46/04

RARITAN BAY, ARTHUR KILL AND RARITAN RIVER TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2004 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
WARD POINT BEND (EAST)	31.5	38.7	36.9	27.6	9,12-01	600-800	1.1	35
WARD POINT BEND (WEST)	35.2	35.1	34.7	33.2	12-01;2,3-03	600-800	1.3	35
OUTERBRIDGE REACH	34.0	34.2	36.1	35.3	2,3-03;3-04	600	1.6	35
RARITAN RIVER CUTOFF	16.7	19.3	19.3	11.6	3-99	600-1100	1.0	20
WARD POINT SECONDARY CHANNEL	20.1	20.5	20.0	19.8	6-04	400	0.9	30
GREAT BEDS REACH	23.5	22.9	24.5	23.1	7-03	300	0.6	25
SOUTH AMBOY REACH	23.2	24.0	22.9	22.4	7-03	300	1.2	25
SANDY POINT REACH	21.4	19.9	19.4	23.4	7-03	300	0.9	25
KEASBEY REACH	15.2	20.5	22.4	20.2	7-03	300	0.9	25
RED ROOT REACH	13.6	16.8	17.6	13.9	7-03	300	1.5	25
CRAB ISLAND REACH	A15.0	A14.5	A14.5	12.5	9-88	200	1.2	15
NORTHWEST REACH	6.0	7.5	7.5	12.2	7-62	200	1.2	15
TITANIUM REACH	3.9	4.1	2.1	1.7	7-03	300	0.6	25
SOUTH CHANNEL	C2.0	D4.2	B4.2	B2.1	7-62;3,4-90	150	0.7	15-10

A. SHOALS LOCATED APPROXIMATELY 40°29'01.0"N, 74°21'16.0"W TO 400 YARDS SOUTH; A DEPTH OF 13 FEET FOR A WIDTH OF 200 FEET WAS AVAILABLE TO THE WEST OF THE PROJECT CHANNEL.
 B. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'34.4"N, 74°19'03.0"W.
 C. POSSIBLE 6 FT OBSTRUCTION LOCATED IN 40°29'35.4"N, 74°19'04.5"W.
 D. POSSIBLE 4 FT OBSTRUCTION LOCATED IN 40°29'37.4"N, 74°19'04.0"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 46/04

Chart 12333

NM 46/04

ARTHUR KILL, KILL VAN KULL, NEWARK BAY AND UPPER BAY CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2004 AND SURVEYS TO MAR 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FRESH KILLS REACH	31.7	35.0	36.2	33.0	3-04	500	1.8	35
TREMLEY POINT REACH	31.0	37.4	37.4	30.0	3-04	600	0.9	35
PRALLS ISLAND REACH	32.4	34.9	35.5	29.7	3-04	500	1.2	35
GULFPORT REACH	17.4	36.1	36.7	27.6	3-04	500-600	1.1	35
ELIZABETHPORT REACH	30.3	36.5	35.2	28.7	3-04	500-600	1.1	35
NORTH OF SHOOTERS ISLAND REACH	29.2	34.0	36.3	30.7	3-04	600	1.0	35
SOUTH OF SHOOTERS ISLAND REACH	18.6	24.1	14.0	A5.0	8-90	400	1.0	30
BERGEN POINT WEST REACH	36.8	40.5	41.4	41.6	9-01;4-02	800	1.1	35
BERGEN POINT EAST REACH	43.2	43.4	42.2	42.6	2-97;10-02	800	1.0	35
CONSTABLE HOOK REACH	44.2	47.2	47.1	47.0	10-02	2000-800	2.2	35
NEWARK BAY SOUTH REACH	40.8	40.8	41.2	32.5	5-99;12-01;3-04	1750-1000	1.4	40
NEWARK BAY MIDDLE REACH	38.4	38.6	34.6	30.2	3-04	1750-500	1.4	40
ELIZABETH CHANNEL	36.4	38.6	39.9	37.3	3-99;1,2-01	1350-500	1.4	40
PORT NEWARK CHANNEL :								
PORT NEWARK (BRANCH CHANNEL)	32.3	35.5	33.5	32.4	2,12-01	1050-400	0.4	40
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. OBSTRUCTIONS INTERSPERSED IN THE TWO RIGHT QUARTERS. THERE IS A MINIMUM DEPTH OF 5.9 FEET OVER WRECKAGE.
 * CONTROLLING DEPTHS IN CHANNELS OF RARITAN BAY - EAST REACH TO AND INCLUDING GULFPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM LOWER NEW YORK BAY. CONTROLLING DEPTHS FROM CONSTABLE HOOK TO AND INCLUDING ELIZABETHPORT REACH ARE REFERENCED FROM SEAWARD WHEN ENTERING FROM UPPER NEW YORK BAY.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12337

NM 46/04

NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DEC 2003 AND SURVEYS TO MAR 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEWARK BAY MIDDLE REACH	38.4	38.6	34.6	30.2	3-04	1750-500	1.4	40
NEWARK BAY NORTH REACH	32.6	34.4	21.0	A18.6	3-04	500-900	1.1	35
TURNING BASIN	23.0	23.9	20.3	A18.6	3-04	900	0.26	35
PASSAIC RIVER:								
KEARNY PT REACH	16.4	18.3	16.9	13.3	7-03	300	1.1	30
POINT NO POINT REACH	1.8	6.5	13.2	9.2	7-03	300	1.1	30
HARRISON REACH	B1.8	4.6	5.7	1.2	7-03	300	1.9	20
NEWARK REACH	1.7	8.6	10.4	C0.5	7-03	300	1.3	20
KEARNY REACH	0.4	8.3	6.8	D1.7	7-03	300	0.9	20
ARLINGTON REACH	2.6	10.6	9.0	E6.0	7-03	200	0.9	16
BELLEVILLE REACH	0.1	0.4	8.0	9.9	6-92 H	150	1.4	10
NUTLEY REACH	2.6	9.2	7.4	3.5	11-89 H	150	1.7	10
RUTHERFORD REACH	1.7	5.1	3.8	3.7	11-89 H	150	2.2	10
WALLINGTON REACH	F2.2	1.5	1.9	G1.1	11-89 H	150	0.9	10
HACKENSACK RIVER:								
DROYERS POINT REACH	25.5	28.8	25.0	18.3	7-03	300-400	1.5	30
MARION REACH	26.8	29.1	29.1	23.0	7-03	300	1.8	30
TURNING BASIN	16.7	24.1	29.3	25.1	7-03	300-800	0.2	25
PORT NEWARK CHANNEL:								
BRANCH CHANNEL	32.3	35.5	33.5	32.4	2,12-01	1050-400	0.4	40
INSHORE CHANNEL	36.3	34.6	30.1	28.7	1,2-01	400	1.1	35
PIERHEAD CHANNEL	33.8	35.6	35.0	33.4	1,2-01	300	0.7	40

A. EXCEPT FOR A SHOAL TO 7.7 FEET AT 40° 42' 11.4" N, 74° 06' 56.1" W ALONG THE RIGHT OUTSIDE QUARTER OF THE REACH.
 B. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 26" N, 74° 08' 18" W TO 40° 44' 23" N, 74° 08' 26" W.
 C. EXCEPT FOR SHOALS, BARE AT M.L.L.W., FROM 40° 44' 03" N, 74° 09' 24" W TO 40° 44' 04" N, 74° 09' 31" W AND 40° 44' 07" N, 74° 09' 36" W TO 40° 44' 09" N, 74° 09' 39" W.
 D. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 06" N, 74° 09' 52" W TO 40° 45' 12" N, 74° 09' 51" W AND 40° 45' 38" N, 74° 09' 43" W TO 40° 45' 31" N, 74° 09' 47" W.
 E. EXCEPT FOR A SHOAL TO BARE FROM 40° 45' 56" N, 74° 09' 27" W TO 40° 45' 59" N, 74° 09' 25" W.
 F. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE LEFT OUTSIDE QUARTER ABOUT 370 YARDS DOWNSTREAM OF THE EIGHTH STREET BRIDGE.
 G. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE RIGHT OUTSIDE QUARTER ABOUT 300 YARDS NORTH OF THE MAIN STREET BRIDGE AND SHOALING TO 0.3 FEET 175 FEET WEST OF THE SECOND STREET BRIDGE.
 H. THE CORPS OF ENGINEERS HAS CONFIRMED THAT THIS REACH IS NOT ACTIVELY MAINTAINED.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 53203

NM 46/04

CAUTIONS

1. Passage through FILFLA TA GHAWDEX and FLEGU TA MALTA is restricted to non-commercial vessels and other vessels 50 meters or less in length.
2. Passage between FILFLA and MALTA is restricted to non-commercial vessels and other vessels 50 meters or less in length.

Chart 53205

NM 46/04

CAUTION

Passage between FILFLA and MALTA is restricted to non-commercial vessels and other vessels 50 meters or less in length.

SECTION I

NM 46/04

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
11	2	42/04				11345	31	38/03;4,37,43/04	11391	23	2*,3,7,14,16,17,23,24,33,34,35,39,46/04
12	1	27/04	1117A		30,31,32,34,35,36,44,45,50,51/03;5,6,7,10,15,18,20,23,25,34,35,37,39,42/04	11347	34	38*,39,42,43,44,46/04	11392	6	32,50/03;3,14/04
13	1	27/04				11348	20	43*,47,51/03;4,24,25,36,44/04	11393	20	30,35,42/03;13,14,43/04
14	4	42/04				11349	41	22*,23,25,33,35,38,39,45/04	11400	35	30*,36/04
21	4	4/04	5161	13	48/03*				11401	30	25/04*
22	1	4/04	11004	7	29,30,32,34,36,37,38,44,51/03;1,3,4,5,6,10,13,14,15,16,18,23,25,32,36,37,39,41,42,43,46/04	11350	25	43/03*	11402	21	30*,34/03
50	6	32*,34,40,50/03				11351	38	30,31,34,48,50,51,52/03;1,3,5,10,12,13,14,15,25,26,33,37,38,39,42,43,44,45,46/04	11404	22	10*,40/04
53	2	34,50/03							11405	29	38/03*;33,40/04
70	4	34/03				11352	37	13*,14,15,20,25,35,37,39,43,44,45,46/04	11406	11	33/04
71	4	34/03	11006	31	47*,49,50/03;3,5,6,13,16,20,29,32,36,38,39,40,41,45,46/04	11353	3	9*,13,14,19,26,28,34,37,38,46/04	11408	28	21/04
73	4	34/03				11354	24	31,34,48,51/03;1,10,12,14,15,37,38,39,45,46/04	11409	28	32/03*;15/04
101	3	42/04				11355	26	23/04*	11411	14	13,14,15,16,36/04
102	5	42/04	11009	37	40/04*	11356	35	38*,51,52/03;3,4,6,13,14,19,25,26,33,35,36,37,38,43,44,46/04	11412	42	18*,31,32,34,36,46/04
103	5	9/04	11013	45	38*,40,50,52/03;16,19,38/04				11415	6	12,13,14,15,16,32,36,46/04
105	4	28/04				11359	11	49,50/03;19,32/04	11423	7	N52/03;N16,N32,N36,N38/04
108	9	34,39/03;19,21/04	11300	39	30,31,32,34,35,36,44,45,50,51/03;5,6,7,10,15,18,20,23,25,34,35,37,39,42/04	11357	36	38*,52/03;2,3,5,12,14,15,17,20,23,26,37,38,44/04	11424	18	36,38/04
120	6	39/03				11358	52	41*,49,50,51/03;2,3,5,6,7,14,19,23,25,33,35,36,37,38,43,44,46/04	11425	35	10*,14,15,36,38/04
121	5	42/04	11301	23	32/03;1,7,17,25,27,42,46/04	11359	11	49,50/03;19,32/04	11426	36	38*,52/03;14,15,38/04
126	39	42,46/04	11302	30	48/03*;1,7,17,27,42,46/04	11360	40	29,30,34,35,37,38,49,50,51,52/03;1,2,3,5,7,11,13,14,15,20,22,25,35,36,39,40,41,44,45,46/04	11427	33	15,16/04
145	16	39/03;27/04	11304	13	33/04*	11361	71	11*,12,13,17,19,23,24,25,27,33,34,37,39,41,44/04	11428	33	15/04*
200	3	37/03	11305	1	N32/03;N1,N13,N23,N26,N36,N46/04	11362	4	N29,N30,N34,N35,N37,N38,N49,N50,N51,N52/03;N1,N2,N3,N5,N7,N11,N13,N14,N15,N20,N22,N25,N35,N36,N39,N40,N41,N44,N45,N46/04	11429	21	38/04
204	4	4/04	11307	36	35,52/03;1/04	11363	39	47*,50,51/03;1,4,5,6,12,13,14,17,20,23,25,26,28,32,34,35,37,38,39,43,44,46/04	11432	14	38/04*
211	5	4/04	11308	22	32/03;13,23,36,38/04	11364	39	30,33,34,35,43,50,51/03;1,4,6,13,14,21,25,26,28,37/04	11434	25	41/03*;38/04
301	1	35,46/04	11309	37	48*,50/03;1,13,23,36,38,46/04	11365	17	32,34,50/03;3,6,7,14,15,20,23,25,35,38,44/04	11435	13	N39,N52/03;N38/04
302	1	35/04	11310	1	N32/03;N1,N12,N46/04	11366	32	38*,45,46,51/03;14,25,28,33/04	11438	12	25*,36/04
310	20	52/03;6,35,42,46/04	11311	23	1,12,36,46/04	11367	32	38*,45,46,51/03;14,25,28,33/04	11439	26	40/04*
400	3	29,33,34/03;6,19,25,27,36,37/04	11312	3	32/03;1,13,25,26,36,46/04	11368	23	34*,43/04	11441	40	15*,31,32/04
401	5	29,33,34,44/03;6,19,21,25,27,36,37,38/04	11313	22	36,52/03;4,14,20,25/04	11369	44	43,50/03;1,6,13,28/04	11442	34	38*,39,52/03;31/04
402	4	27/04	11314	23	15*,46/04	11370	25	38*,43/04	11443	30	39/03
411	49	29,30,31,33,44,52/03;1,5,6,16,19,21,25,36,37,38,43/04	11315	31	48/03*	11371	36	35*,48/03;4,6,12,37/04	11444	31	12*,31,32/04
500	8	32*,34,41/03;44/04	11316	39	29,34/03;1,15,27,37,38,39,46/04	11372	31	23*,25,37,39/04	11445	9	12/04*
501	12	40,41/03;4,6,11,19,35/04	11317	30	12*,19,27,38,46/04	11373	43	48*,49/03;1,3,4,5,7,14,17,20,22,24,34,36,37,39,43,45/04	11446	15	36/03*;38/04
502	2	40,44/03;11,42/04	11318	1	N44,N50/03;N1,N13,N23,N36,N38,N46/04	11374	32	2*,7,14,17,20,22,24,25,34,36,38,43/04	11447	6	N15,N29/04
503	4	1,27/04	11319	31	29,30,34/03	11375	35	29,47,51/03;1,7,14,17,20,22,24,25,34,36,38,42,43/04	11448	24	50/03;16,43/04
504	4	23,26/04	11320	1	N52/03	11376	49	48*,49/03;5,7,11,16,17,19,20,23,35,38,39,41,42/04	11449	35	19*,29,32,34/04
510	3	40/03;17/04	11321	30	40*,42,46/04	11377	5	38*,44/03;7,14,17,20,23,35/04	11491	33	30,34,50,52/03;14,32,36/04
511	4	17/04	11322	28	30,34,35,42,47/03;1,7,14,17,27,38/04	11378	33	16*,20,23,24,32,40,43,44/04	11498	16	14/04
512	2	11,20/04	11323	60	47*,49,51/03;1,3,5,6,9,15,17,19,20,25,26,35,37,38,39,40,44/04	11382	40	18*,24,40/04	11502	29	18*,29,32/04
513	7	34*,44/04				11383	50	52/03*;13,24,32,40,43,44/04	11503	40	2*,14,29,32,34,41/04
514	7	16/04*				11384	34	2*,13,24,40/04	11505	2	25,31,36,39,41,46/04
520	127	34,40,41/03;4,11,26,27,35,44/04				11385	26	23*,36,43/04	11506	40	34,43,51,52/03;14,16,21,29,39,46/04
521	11	34,50/03;11,20,44/04				11388	17	18*,20,35/04	11507	31	16,32/04
523	8	34,50/03;11,20,26,44/04				11389	32	32,42,51/03;2,7,13,14,16,17,23,24,33,34,35,39,43/04	11508	21	32/04
524	12	34/03	11324	33	47*,49,52/03;1,14,17,19,20,26,27,33,37,38,40,43,44/04	11390	23	19*,20,23,24,26,33,34,35,39/04	11509	28	31*,41/04
525	3	40/03							11510	19	25*,32/04
526	10	26/04	11325	35	38,42,47/03;1,14,17,27,37/04				11511	17	36/04*
530	30	34,40,41,44,50/03;4,7,11,19,21,23,26,27,33,34,42,44/04	11326	32	15*,16,17,19,20,23,26,33,34,37,38,40,41,43,44,46/04				11512	59	34,43,51/03;14,16,21,25,29,31,36,39,41,46/04
531	22	21*,44/04				11331	19	12*,14,25,36/04			
532	17	34,50/03;11,15,20,44/04				11332	29	24*,25,26,27,35,38,39,40,42,43,45,46/04			
540	17	16*,23,26/04	11327	31	46*,52/03;1,14,16,17,19,27,33,34,38,44,46/04	11333	1	N35/03			
541	2	26/04	11328	23	43*,52/03;1,2,4,6,7,14,17,23,27,37,38,43,44/04	11340	68	37*,38,45,46,49,50,51,52/03;1,2,3,4,5,6,7,10,13,14,15,16,17,19,20,23,25,26,32,33,34,35,36,37,38,39,40,41,43,44,45/04			
550	7	44/04	11329	35	48*,49,52/03;2,6,7,14,17,23,27,33,38,44,46/04	11341	40	18*,25,26,27,35,37,38,39,40,42,43,45,46/04			
600	5	45/03				11342	52	29,31,34,35,42,46,47/03;1,6,13,14,17,27,36,37,38,40,46/04			
601	4	38/03				11343	37	48*,49,50/03;4,17,27,36,38,46/04			
602	6	38/03				11344	35	29,31,34,38,43,46,47/03;4,5,9,14,16,17,24,34,35,37,39,42,43,44/04			
604	5	38/03;22/04	11330	15	50*,51/03;1,2,4,5,6,7,10,13,14,15,17,20,23,25,26,34,35,37,38,39,42,43,44,46/04						
607	1	45/03									
623	9	36/03									
624	3	7/04									
703	4	44/03									
706	4	44/03									
707	2	34,44/03									
708	3	34,36/03									
800	4	15,20/04									
803	1	15/04									
1113A		52/03;16,32,36,38/04									
1114A		30*,36/04									
1115A		29,30,34,35,37,38,49,50,51,52/03;1,2,3,5,7,11,13,14,15,20,22,25,35,36,39,40,41,44,45,46/04									
1116A		37*,38,45,46,49,50,51,52/03;1,2,3,4,5,6,7,10,13,14,15,16,17,19,20,23,25,26,32,33,34,35,36,37,38,39,40,41,43,44,45/04									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
11513	24	30*,34,41/04	12285	36	19*,36/04	13226	6	17*,19,29/04	14042	3	34,42/03
11514	27	38*,39,46/04	12286	29	42,52/03;28,36/04	13227	13	49/03;19/04	14043	7	49/03
11516	30	43*,50/03;29,32,34/04	12287	17	36/04	13228	11	22,23/04	14044	44	47,49/03;1/04
11518	33	50/03;14,15,29,31,41/04	12288	19	9,36/04	13229	28	12*,13,19,22,23,24,30,34/04	14046	2	47,49/03;9/04
11520	41	38*,39,50/03;1,2,5,7,8,14,27,29,37,40/04	12289	48	13/04	13230	47	15*,19,22,23,24,30,34/04	14058		N29/04*
11521	27	30*,41/04	12300	44	37*,41/04	13232	4	19,23,28,34/04	14061	27	36/04
11522	19	39/03;14/04	12301	21	N39,N44,N48,N49/03;N6,N20,N28,N31,N33,N34,N36/04	13233	16	39/03;4,22,23,43/04	14062	17	32,36/03;1,5,9/04
11523	22	36*,41/04	12304	43	48,52/03;2,5,9,22,26,28,30/04	13235	6	23/04*	14066	19	34,42,47/03;5/04
11524	47	18*,21,29,31,36,38,39,41,43,46/04	12311	43	40/04*	13236	29	50/03;1/04	14067	11	14/04
11525	6	N39,N50/03;N1,N2,N5,N7,N8,N25,N27,N29,N37,N40/04	12312	52	32,51/03;1,10,16,22,31,36,42/04	13237	39	39/03;13,23,43/04	14081	21	36,47/03;2,42/04
11527	16	14,15,16,21,29,46/04	12313	50	41/04*	13241	15	23/04	14085	6	49/03;15,38/04
11531	21	39/03	12314	30	33,35/03;19,22,28/04	13242	17	23/04	14087	58	41/04
11532	20	39,43,50/03	12316	31	38/04*	13244	39	32/03	14088	10	34/03;5,38/04
11534	33	19*,40/04	12317	32	28/04*	13246	37	36*,42/03;35/04	14089	29	34/03
11535	12	39/03;14,43/04	12318	42	31*,36,44/04	13260	39	36*,39,42,45/03;16,34,43,46/04	14091	6	41/04
11536	17	18*,27,40/04	12323	23	6/04	13263	7	N29,N36,N39,N42,N45/03;N34,N35,N43,N46/04	14105	19	47/03
11537	35	18*,19,40/04	12324	31	15*,19,28/04	13264	103	29,39,42,49/03;5,34/04	14110	42	32,44/03;1,36,41/04
11541	34	51/03*;9,11,12,19,31,33,40/04	12326	49	35*,49/03	13267	31	47/03*;9,23,35,45/04	14111	7	32,34,42,44/03
11542	16	25/04*	12327	97	48*,49/03;17,20,22,24,27,28,30,31,40,43,46/04	13269	9	7,9/04	14112	5	32,42,44/03;1,41/04
11543	22	38/03;1,19,40/04	12331	30	33/03;22,33,40,46/04	13270	60	50/03*;9,15,42,45/04	14115	2	29/04**
11544	38	18*,19,33,37,40/04	12332	21	22,40,46/04	13272	48	18*,20,23,36,42/04	14123	14	42/04
11545	61	16*,19,31,33/04	12333	33	44*,49/03;17,24,28,46/04	13274	25	43/03*;6,15,23,45/04	14128	6	4,45/04
11547	36	16*,19,31,33/04	12334	67	25*,28,30,31,43/04	13275	28	45/03*;15,45/04	14132	2	45/04
11548	39	12/04*	12335	40	47/03*	13276	22	36/03*	14134	2	41/04
11550	29	28/04*	12337	22	22,46/04	13278	25	32,39/03;23/04	14135	2	14,38,41/04
11555	39	18/04*	12338	9	19/04	13279	31	44/04*	14136	2	1,41/04
12200	48	37*,40/04	12339	44	50/03*;23/04	13281	17	17,23/04	14141	17	47/03
12201	25	N32/03;N1,N2,N6,N7,N16,N25,N29/04	12341	26	36/03*	13282	11	39/03	14143		N38/03*;N4,N15,N41/04
12204	35	33/03;5/04	12342	29	29,35/03;24,26,28,30/04	13283	18	4,6/04	14144	29	38/03**
12205	28	43*,50/03;5,11,35,39/04	12343	33	29,34/03;26/04	13285	10	4/04	14145	2	47/03;15/04
12206	30	50/03*;2,15,19,27,39/04	12350	58	17*,33,43/04	13286	30	22*,43/04	14146	2	32,49/03;6/04
12207	21	18*,35,39/04	12352	30	46/03*;26,35,45/04	13287	11	20/04	14151	2	32,34,38/03;1,4/04
12208	10	29*,39/04	12353	18	8*,26,45/04	13288	40	29,42,44,45/03;20,23,40,43,44/04	14156	2	14/04
12210	36	33/03	12354	41	26*,30/04	13290	35	39*,42,44,49/03;20,23,29,40,43,44/04	14167		N6,N14/04
12211	42	40/04*	12363	39	32,36/03;30,31/04	13292	37	44/04*	14168		N37/03;N41/04
12214	45	30*,40/04	12364	34	32,36,39/03;29,30,31,37/04	13293	33	40,42,44/04	14169	2	32,38,42,49/03
12216	27	40/04	12366	27	31/04	13296	25	42/04	14173		38/03
12221	75	48*,50/03;2,9,11,19,28,35,36,38,39/04	12367	23	30/04	13298	10	42/04	14174		N42/03*;N14,N38,N39,N41/04
12222	46	30*,36/04	12368	26	30/04	13301	20	42,45/03	14175		N43/03*;N9/04
12224	23	33,45/03;9/04	12369	25	32,35,36,43/03;28,37,38/04	13302	21	32,42,45,52/03;8,43,44,46/04	14176		N38/03*
12225	55	44/04*	12371	23	52/03;19,25,28/04	13303	12	46/04	14177		N40/03*
12226	16	42/04	12372	32	8*,17,20,23,25,28,29,30,34,38,39,45/04	13305	28	36,44/03;8,42,43,44,46/04	14178		N40/03*;N5,N6/04
12228	30	16/04*	12373	14	17/04	13307	10	44/03;8,42/04	14180	38	42/03**
12230	61	3*,20,26,28,33,39,40/04	12375	21	30/04	13308	12	22*,43/04	14181	3	43/03**
12231	26	30/03;28,40/04	12401	7	33,41/03;22,28/04	13312	21	34,35/04	14183	15	38/03**
12233	36	16/04*	12402	8	34,41/03;31,33/04	13313	20	42/04*	14184		N32,N44,N47,N49/03;N38/04
12235	30	22*,28,29/04	13000		N29/03	13318	18	36/04	14185	2	40/03**
12237	27	48/03*;28,29/04	13003	47	36*,39,44,45,48,52/03;6,16,17,34,36,43,46/04	13323	7	34/04	14186	2	40/03**
12238	38	6*,19,28,35,36,38/04	13006	31	36*,39,44,45,48/03;6,16,33,34,36,43,46/04	13324	14	5*,34,35/04	14187	2	38/03**
12241	21	34/03;2,35/04	13009	30	36,39,44,45,48/03;6,16,33,43,46/04	13325	15	44/04*	14188	1	42/03
12243	13	12,20,35/04	13200	33	36,39,44,45,48/03;6,33,34/04	13326	13	25*,42/04	14189	2	36,42,44/03;4,6,15,39/04
12244	13	20/04	13201	10	N36,N39,N44,N45,N48/03;N6/04	13329	2	46/04	14190	2	37,42/03;14/04
12245	63	26/04*	13203	12	48/03	13394	3	42/03;36,46/04	14191		N38/03*;N41/04
12248	40	44/03*;4,15/04	13204	12	44/03;6/04	13396	4	36/04	14192		N38/03*;N9/04
12251	23	12,27/04	13205	36	2,17,25,29/04	13398	3	40,46/04	14193		N38/03*;N15/04
12252	24	25*,28,38/04	13209	24	37/04*	13399	4	40,46/04	14195		N42/03*;N15/04
12253	43	35/03*;2,10,13,15,19,27,28,39/04	13211	13	45/03;29/04	14000		N23/04*	14196		N38/03*;N15,N38/04
12254	44	16*,35/04	13212	36	18*,25,38,39/04	14001		N23/04*	14197		N38/03*;N15/04
12255	15	30,34/03	13213	41	18*,20,23,34,38,39,45/04	14002	57	23/04**	14198		N43/03*;N36/04
12256	14	48/03*;2,12,35/04	13214	27	2,17,28,39/04	14003	6	29,39,48/03;6,16,36,39,43/04	14200	2	38/03**
12261	28	48/03;20,40/04	13215	18	44/04*	14005	78	N23/04*	14201	15	38/03**
12263	53	11*,14,37,41/04	13216	1	N2/04	14007		N23/04*	14202	12	42/03**
12264	28	42,44,48,52/03;26,33,39/04	13217	14	6/04	14008	76	38/03**	14204	21	38/03**
12266	28	8*,41/04	13218	38	46,50,52/03;19,20,22,23,24,29,30,33/04	14009	3	29/04**	14205	7	38/03**
12270	33	15*,37,41/04	13219	12	26/04	14010	5	29/04**	14206	20	43/03**
12272	29	30,33,38/03;7,41/04	13221	54	15*,19,20,23,26,28,29,33,34/04	14011		N23/04*	14207	33	36/04
12273	55	31*,38,39/04	13223	37	16*,20,23,29/04	14012		N29/04*	14208	28	38/03**
12274	33	30,33/03;20,29,38/04	13224	37	22*,26,28,33,34/04	14013		N29/04*	14209		N38/03*;N15,N41/04
12277	32	35*,51/03;20,26,29,38,39/04	13225	33	15,19,33/04	14015		N29/04*	14211		N40/03*;N41/04
12278	73	8*,31,38,39/04				14019		N29/04*	14212		N38/03*;N11,N15/04
12280	4	52/03*;2,7,9,28,35,36,39/04				14024	5	36,47/03;37,39/04	14213		N39/03*;N5,N36/04
12281	49	38,44,48,49/03;1,16,20,39/04				14025		N43/04*	14214		N39/03*;N36/04
12282	34	43/03*;31/04				14040	65	29/04**	14215		N39/03*;N36/04
12283	25	29/04*				14041	12	29/04**	14216		N39*,N44/03;N5,N15,N36/04
12284	15	42,48/03;26,33,39/04							14217		N43/03*;N37,N41/04

**CHARTS AFFECTED BY NOTICE TO MARINERS
NM 29/03 THROUGH NM 46/04**

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14226	32	39/03**	14844	32	18*,26/04	15080	1	47/03	16561	1	29,35,44/03;25,39/04
14227	28	39/03**	14845	27	14*,26/04	15083	6	14/04	16566	10	29,44,49/03
14228	11	39/03**	14846	12	16*,33,46/04	15160	5	50/03	16570	10	32/04*
14229		N39/03*;N5/04	14847	30	43,47/03;33,46/04	15163	2	50/03	16575	1	1/04
14240	6	43/03**	14848	57	45/04*	15300		N10/04	16576	4	47/03*
14241	23	39/03**	14850	52	2*,24,43/04	15444		N19/04*	16580	12	9*,18,32/04
14242	13	40/03**	14852	45	2,10,15,21,24,26,36, 43/04	15563		N20/04*	16590	10	1/04
14243	8	39/03**				15690		N35/03	16591	9	16/04*
14244	5	39/03**	14853	15	39*,44/04	15946		N47/03	16592	9	1,18/04
14245	4	39/03**	14854	13	15,38,44/04	16003	16	36,48/03	16593	11	1/04
14246	6	39/03**	14860	35	26,30/04	16004	11	48/03	16594	13	1/04
14247		N39/03*;N5,N6/04	14862	28	26,30,41/04	16005	9	36,48/03	16595	14	1/04
14248		N40/03*	14864	26	1,8,41/04	16006	33	32,35,36/03;1,15,21,27, 28,31,44/04	16596	12	1/04
14249		N39/03*;N5,N36/04	14865	16	26,44/04				16597	8	1,28/04
14250		N40/03*	14867	26	39/03*;25/04	16011	36	44/04*	16598	9	1,28/04
14251		N40/03*;N36/04	14869	26	8/04	16012	21	34,50/03;44/04	16599	6	1,28/04
14252		N40/03*;N14,N39/04	14871	2	34/03	16013	29	10*,32/04	16601	10	1/04
14253		N40/03*;N9/04	14880	31	15/04*	16016	20	9/04*	16603	8	48/03*
14254		N40/03*;N41/04	14881	31	8/04	16041	8	48/03	16604	11	1/04
14259	3	40/03**	14883	43	15*,19/04	16067	7	1/04	16605	9	44/04*
14260	47	39/03**	14886	11	41/03*	16081	6	1/04	16606	11	1/04
14263	15	40/03**	14901	14	7,10,26,41/04	16082	7	25/04*	16608	4	46/03*
14264	4	40/03**	14902	28	8,10,26,41/04	16083	6	9/04*	16640	24	1,17/04
14280	37	40/03**	14903	23	31/03*;2,7,41/04	16084	7	37/04*	16645	18	1/04
14310	2	40/03**	14904	26	40/03*;1,26/04	16085	6	15/04*	16646	12	1,25/04
14319		N19/04*	14905	30	45/03*;7/04	16086	7	18/04*	16647	3	1/04
14325	13	6/04	14906	23	32/04	16087	7	5/04*	16648	4	1/04
14327	8	42/04	14907	25	10/04	16102	5	9/04*	16660	29	17*,43/04
14328	6	47/03;9,42/04	14908	18	22*,46/04	16104	5	37/04*	16661	6	17/04
14329	5	32,47,49/03;1/04	14909	19	49/03;10/04	16124	6	3/04*	16663	7	17*,42,43,44/04
14340	25	30,49/03;1,9,15,37,39/04	14910	23	24,41/04	16200	13	36/03	16665	8	15*,42,44/04
14341	5	34,47,49/03;37,39/04	14911	20	10,41/04	16204	6	22/04*	16680	10	32,37/03;15/04
14342	20	30,49/03;9/04	14912	17	31/03*	16206	7	46/03;5/04	16682	16	17/04*
14344	2	49/03	14913	18	31/03*;8,10,15,20/04	16220	5	36/03;15/04	16683	10	17/04*
14345	5	49/03	14916	10	1,19,26/04	16240	10	15/04*	16700	29	41/04*
14349	7	42,47/03;5,6/04	14917	23	42/04	16300	9	25*,32/04	16701	19	37/03*;12/04
14353	3	42/03	14918	27	22*,24,26/04	16305	10	25/04*	16702	11	37/03*;12/04
14354	2	32,42,50/03	14919	27	1,7/04	16315	10	1/04	16704	13	12/04
14355	3	50/03	14922	19	5,32/04	16322	8	22*,42/04	16705	19	43/03;12/04
14357		N49/03;N4,N15/04	14924	27	49/03;2,39/04	16323	9	3/04*	16706	10	12/04
14358		N34,N47/03;N1,N5, N15/04	14925	23	33/04*	16338	4	17*,28/04	16707	10	5,12,17,26/04
14360	36	47/03;4,5,6,15/04	14926	10	32*,47/03;7,8,10,20, 24/04	16343	8	38/04*	16708	25	50/03;12/04
14364	6	4,39/04	14927	24	47/03;7,8/04	16363	12	10/04	16709	22	11,12,26/04
14373	2	34,49/03;1,4,39/04	14928	21	7,10,20/04	16380	14	32/04*	16710	16	10,12,14/04
14380	19	49/03;6/04	14929	24	7/04	16382	10	6/04	16711	2	12/04
14386	3	6/04	14930	25	15*,32,41/04	16420	10	46/03*	16712	1	12/04
14404	4	47/03	14932	23	1,5,19,32/04	16423	2	47/03	16713	2	12/04
14415	4	36/03	14933	24	1,30,32,40/04	16431	7	50/03*	16723	15	6,12/04
14420	27	40/03**	14934	27	1,46/04	16432	11	3/04*	16741	10	16/04*
14756		N50/03;N11/04	14935	21	1,10/04	16433	8	14/04*	16760	10	12,42/04
14757		N15/04	14937	24	10/04	16434	6	29/04*	16761	16	42/04
14758		N32,N49/03	14938	23	1,7,46/04	16435	6	24/04*	16762	9	12,14/04
14769		N13/04**	14942	25	1,40/04	16440	14	44/04*	17003	4	35,36/03;6,42/04
14771	17	32/04*	14945	12	3*,26/04	16442	7	41/03*	17005	10	34,35,43/03;3,6,30,31,35, 42/04
14774	17	40/04*	14961	12	3*,26/04	16446	8	30/04*	17008	12	36/03
14782	24	47/03	14962	20	16/04*	16450	2	34*,44/04	17300	30	39/03
14784	20	41/04*	14964	21	18/04*	16462	6	32/04*	17302	18	49/03;32,43/04
14785	17	18/04*	14965	21	2/04	16463	7	3/04*	17303	10	24*,32,43/04
14786	13	49/03;19/04	14966	26	15/04*	16465	2	41/04*	17316	20	25/04
14791	18	22/04*	14967	22	26/04	16467	2	40/04*	17317	20	18/04*
14800	9	20/04	14970	26	45/04*	16474	8	18/04*	17318	5	39/03
14802	30	20/04	14972	26	32/04*	16477	7	18/04*	17320	16	14*,39,42,43/04
14803	26	49/03	14973	27	46/04	16478	10	5/04*	17323	10	29,39/03;5,25,31/04
14805	24	21/04*	14974	24	5/04	16480	10	34,50/03	17324	13	39/03;5,43/04
14811	16	20/04	14975	33	43,49/03;10,24,46/04	16484	7	14/04*	17325	8	38/04*
14813	21	49/03;19/04	14982	9	16/04*	16486	7	24/04*	17326	13	43/04
14814	24	36/04	14983	9	46/03*	16487	6	20/04*	17327	21	46/03*;26,43/04
14815	23	41/04*	14985	9	41/03*	16490	8	6/04*	17328	7	10/04*
14816	24	17/04*	14986	9	46/03*	16500	9	33/03	17330	8	10*,14/04
14820	20	15*,24,35/04	14987	9	3/04*	16501	7	16/04*	17331	7	14/04
14822	31	38/04	14988	10	41/03*	16511	7	17*,28/04	17333	8	3*,14/04
14823	30	36/04	14990	4	6/04*	16514	4	14/04*	17335	6	14/04
14824	26	5*,19/04	14991	10	8/04*	16515	7	38/04*	17336	8	14,17,28/04
14826	27	49/03;8,20,30,35/04	14992	11	32/04*	16516	7	24/04*	17337	8	14/04
14829	6	15*,30,32,35/04	14993	12	16/04*	16517	6	16/04*	17338	13	14,31/04
14830	31	39/04*	14994	11	21/04*	16520	22	25*,41/04	17339	11	14/04
14832	34	49,51/03;24,26,38/04	15017	4	10/04	16522	6	16/04*	17341	8	14/04
14833	26	18*,19,24,38/04	15043	3	34,47/03	16528	16	33/03;6,41/04	17360	33	31*,36/03;13,14,39, 42/04
14835	31	7/04	15044	3	34,47/03;1/04	16529	15	24/04*	17362	10	14/04
14836	27	10/04	15046	4	47/03;14/04	16530	6	33/03;6/04	17363	13	14,41/04
14837	27	5/04	15061	3	50/03	16531	7	41/04	17365	12	14/04
14838	3	38/04	15064	1	50/03	16532	6	41/04	17367	11	14/04
14839	36	43,49,51/03;5,8,33,40/04	15066	5	32,47/03	16535	12	31/03;43/04	17368	6	14/04
14841	28	14*,30/04	15067	2	47,49/03	16540	11	27,31,40/04	17370	10	3/04*
14842	13	46*,51/03;10,26/04	15069	4	47/03	16547	9	18/04*	17372	11	48/03*;31,42/04
14843	23	18/04*	15070	3	49/03	16549	15	41/03*;32,42/04			
			15074	1	6/04	16553	4	22*,40/04			

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17375	21	25/04*	18020	37	47/03*;1,4,7,11,19,21,22,24,25,26,29,31,33,34,36,42/04	18556	25	17/04*	18760	6	N35,N36,N44/03;N1,N7,N11,N19,N21,N22,N24,N25,N26,N29,N34,N42/04
17376	7	44/04*	18022	34	3*;4,7,11,13,19,21,22,23,24,25,26,28,29,31,33,34,36,37/04	18558	37	48/03;1/04	18761	2	N1,N16,N28,N34/04
17377	1	16/04	18400	44	41*;43,47,49/03;3,8,10,17,27,28,30,31,35,42,46/04	18561	12	12*;22/04	18762	15	1,16,28,34,45/04
17378	14	17/04*	18401	12	34/03	18580	21	51/03;17/04	18763	10	18*;23,28,34/04
17379	1	16/04	18409	8	41/03;42/04	18581	17	36,50,51/03;14,38,42,46/04	18765	15	46/03;7,14,16,19,20,22,26,36/04
17381	10	16/04	18412	10	35/04	18583	38	43/03;38,39/04	18766	7	36/03;7,19,22,26/04
17382	15	36/03;13,16,28,43/04	18414	9	3/04	18584	47	30,48,52/03;1,13,27,37,42/04	18768	4	N36,N38/03;N7,N19,N22,N26/04
17383	2	31/04*	18415	8	32,39,47,50/03;3,9,10,22/04	18600	14	44,47/03;5,16/04	18769	2	N1,N34,N45/04
17384	8	15*;43/04	18416	6	46/03;17,31,33,42/04	18601	13	1/04	18772	47	48/03;23,36/04
17385	14	13,16,18,43/04	18418	6	31,33/04	18602	12	47/03;1,14,41/04	18773	39	40*;41/03;4,14,23,31,34,43/04
17386	3	16,18,39,42/04	18419	11	46/03;1,9/04	18603	16	5,16/04	18774	10	49/03;4,11,13,14,19,23,25,26,31,36,41/04
17387	13	16/04	18420	1	47,49,50/03	18620	23	4,7,24,27/04	18775	2	N1,N16,N34/04
17400	16	44/03;14,16,32,39,42/04	18421	46	50/03*;8,9,17,22,27,35,42,46/04	18621	11	4,7/04	19002	9	N29,N46/03;N6,N8,N12,N16,N22,N23,N24,N26,N29,N36,N41/04
17401	11	18/04*	18423	34	12*;13,17,22,27,28,31,35,42,46/04	18622	53	30*;43/04	19004	37	18*;23,24,26,36,41/04
17402	10	16,39,42/04	18424	25	45/03;46/04	18623	11	4,7/04	19007	17	21*;23,26,36,41,43/04
17403	13	16/04	18427	22	18/04*	18624	17	33,43/03;19,33/04	19008	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17404	12	16/04	18429	9	27/04	18643	17	33,41,43/03;19,33/04	19009	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17405	14	46/03;16,18,26/04	18430	8	5*;17,27/04	18645	24	33,38/03;5,33,36,37/04	19010	18	18*;19,22,23,24,26,36,41/04
17406	7	17*;26/04	18431	6	1,22/04	18649	63	48*;50/03;2,5,11,16,19,20,21,25,31,33,36,40,41,42,46/04	19013	17	18*;22,23,24,26,36,41,43/04
17407	15	10/04*	18432	5	22/04	18650	52	47/03*;11,19,20,21,36,40,41,42/04	19016	10	3*;19,43/04
17408	8	34/04*	18433	5	32,36/03;9,17,22,42/04	18651	42	48/03;16,41/04	19320	16	6,8,12,22,41/04
17409	10	44/03;16/04	18434	5	2*;13,17,35/04	18652	32	36*;40,43,46,48,49/03;5,11,16,19,20,25,26,29,33,36,38,40,41,43,45,46/04	19322	8	14/04*
17412	2	49/03	18440	27	3*;8,21,22,28,30,35,39,41,42/04	18653	9	43,50/03;16,20,25,33,46/04	19324	22	13/04
17413	2	44/03;32/04	18441	43	39*;45,47,51/03;6,8,17,22,28,31,35,39,41,42/04	18654	43	22*;33,45/04	19327	10	43/03
17420	26	36/03;13,30/04	18443	16	16*;31/04	18655	58	33,38,45/04	19329	8	10/04*
17422	8	13,29/04	18444	15	34/03;1,31/04	18656	53	33,40,43,48/03;11,26,29,33,38,43/04	19330	10	14/04*
17423	13	13/04	18445	30	13*;21,22,28,30,35,39,41,42/04	18657	18	40/03;26,38/04	19331	7	43/03
17424	7	22/04*	18446	16	47*;51/03;8,22,28,39,41/04	18658	30	17*;26,38/04	19339	1	N30,N47/03;N8,N10,N23,N24,N26,N36/04
17426	14	44/04*	18447	27	28/04*	18659	14	43,48/03;29,38,43/04	19340	26	29,30,36,47/03;8,10,13,23,24,26,36/04
17427	7	36/03	18448	33	1*;8,13,17,21,22,28,30,35,41,42/04	18660	2	29*;43,49/03;21,26,29,40/04	19342	10	15*;19/04
17428	7	36,43/03;13,29,44/04	18449	18	50*;51/03;6,22/04	18661	27	43,49/03;13,17,21,26,29,40/04	19347	17	29/03;23/04
17429	2	N13,N29/04	18450	18	18*;22/04	18662	20	43,44/03	19348	8	15/04*
17430	10	36/03;13,44/04	18452	16	34,38/03	18666	1	33,48/03;38/04	19351	9	23/04
17431	11	21/04*	18453	24	36,38,42/03;6,22,35,41/04	18680	30	33,35,38,40/03;19,31,33,36,37/04	19353	12	6/04
17432	7	23/04*	18454	4	N28,N42/04	18682	14	10*;37/04	19357	22	30,36,47,50/03;10,13/04
17433	11	46/04*	18455	2	N34,N38/03	18685	32	36*;46/03;17,19,22,33,36/04	19359	11	8/04*
17434	12	33*;44/04	18456	19	21,30/04	18686	13	34/04	19361	8	5/04*
17435	16	40,49/03;13/04	18458	15	34,38/03;13/04	18700	22	40/03*;13,21,34/04	19362	12	10,13,14/04
17436	6	19/04	18459	5	N34,N38/03;N13/04	18702	25	40/03*;7,13/04	19366	36	50/03;10,13,14/04
17438	12	36/03;22,30/04	18460	11	43/03;3,17,30,31,35/04	18703	25	40/03*;7,13/04	19367	37	50/03;30/04
17441	7	22,30/04	18462	36	18*;27,28,31,33,35,42/04	18704	13	30/04*	19369	5	36,50/03;10,14,30,37/04
17443	12	36/04	18471	9	36/03*;8,28,42/04	18720	31	11,21,23,24,25,29,34,38,46/04	19379	1	N30,N46/03;N12,N13,N16,N22,N29/04
17445	2	36/03;22,30/04	18473	7	34,38,45,47,51/03;6,8,22,28,35,39,41,42/04	18721	11	39/03;21,34,46/04	19380	15	8*;12,16,22/04
17460	N19/04*		18474	8	5*;8,22,30,35,41,42/04	18723	3	34/04	19381	8	7,12,16,22,29/04
17464	4	12/04	18475	1	35/03	18724	1	15,23,32/04	19383	17	23/04
17470	N41/03		18476	5	18*;39/04	18725	27	32/03*;19,21,23,24,25,32,36,38,40/04	19385	8	3*;16/04
17471	N47/03*		18477	5	6,22,28,35,39,42/04	18727	12	42/04*	19387	9	N46/03;N12,N23,N43/04
17472	4	36,41/03	18480	29	43/03;3,6,30,31,35/04	18728	8	29/04	19388	2	N46/03;N43/04
17480	4	36/03	18484	11	18*;30,31/04	18730	1	N29/04	19480	7	6,35/04
17482	N41/03		18485	15	29/03;17,30,31,35/04	18740	40	46*;49/03;1,5,7,14,19,22,23,24,25,26,28,29,31,34/04	19482	9	6/04
17483	N41/03		18500	29	22*;35/04	18741	18	N38/03;N1,N7,N14,N19,N22,N25,N26,N31,N34/04	21005	5	15/04
17484	3	41/03;31/04	18502	85	33*;37,45/04	18744	31	29*;32/04	21008	62	36/03
17485	4	41/03	18504	65	35/03;3,21,27,37/04	18746	35	11*;19,25,36/04	21033	46	1/04
17513	N9,N12/04		18520	24	14,22,35/04	18749	38	31,39,41,49,50/03;5,7,22,31,34/04	21036	7	1/04
17515	7	36,43/03;12,33/04	18521	70	5*;13,14,19,20,31,35,38,42,43,45/04	18751	42	31,39,46,49,50/03;5,7,19,22,31,34/04	21125	13	36/03
17517	8	34/03;30/04	18523	54	5*;8,13,19,20,27,31,41,43/04	18754	17	39*;43/03;23,34/04	21140	1	36/03;7,19,22/04
17518	7	41,47/03;10,17,42/04	18524	34	30*;31,37,42,45/04	18756	8	14/04*	21160	1	15/04
17520	2	N34/03	18525	34	25*;31,42,45/04	18757	10	41/03;5,36/04	21180	1	15/04
17523	N19/04*		18526	56	15*;17,19,20,22,31,42,45/04	18758	6	33,49/03;4,11,13,23,41/04	21384	4	11/04*
17524	N49/03		18527	21	48/03				21401	20	37/04
17525	N43/03		18531	21	15*;19,20,22,31,41,45/04				21441	27	15,31/04
17526	N19/04*		18532	20	52/03				21482	1	36,46/03
17528	N19/04*		18539	9	21/04*				21520	1	29/03
17543	17	43/03;14/04	18543	2	15/04*				21521	14	29/03
17545	13	43/03;12,14/04	18545	15	50/03*				21525	19	38/03
17546	22	34,35,43/03;14/04	18546	10	19/04*				21543	13	9/04
17548	28	43/03;30/04	18551	8	18/04*				21544	20	24/04
17549	6	3/04	18553	7	24/04*				21546	3	24/04
17550	4	43/03;3,6,31,35/04							21563	3	38/04
18000	8	36,44/03;11,21,22,42/04							21580	40	52/03
18002	6	N36,N44/03;N11,N21,N22,N34,N42/04							21581	5	41/03
18003	19	41,43/03;3,6,22,30,35/04									
18005	4	N40/03;N4,N10,N21,N31,N33/04									
18006	3	N21,N34/04									
18007	31	35,41/03;4,5,6,7,16,22,24,27,33,35/04									
18008	7	N35,N37,N41/03;N4,N5,N6,N7,N16,N22,N24,N27,N33,N35/04									
18009	2	N40/03;N10,N31,N33/04									
18010	20	33,40,47/03;4,5,7,16,24,27,31,33,36,37/04									

SECTION I

NM 46/04

CHARTS AFFECTED BY NOTICE TO MARINERS NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
21582	3	16/04	22371	5	30,32,33,52/03;2,4,27/04	24211	7	36/04	25653	13	14,21,29/04
21584	2	41/03	22373	1	N30,N32,N33,N34/03; N3,N27/04	24215	1	29/04	25654	13	14,21,29/04
21601	4	31/03				24220	14	39/03;29/04	25655	12	41/04*
21602	1	18,37/04	22375		N37/03	24221	16	29/04	25661	12	40/04*
21603	9	31,36/03;11/04	22377	1	N2,N4/04	24222	3	39/03	25662	27	30,39/03;29/04
21604	25	4/04	22379	1	N30,N32/03	24223	33	39/03;33/04	25664	15	30,39/03;29/04
21605	7	31/03	22395	2	30/03	24224	1	15/04*	25666	17	11/04
22004	38	29/03;2,7,32/04	22401	4	N30/03	24230	20	52/03;9/04	25668	19	34/04*
22008	35	29,32,38,47/03;7,25,32, 33,40/04	22407	1	N30/03	24233	15	9,22,33/04	25670	42	2*,14,41/04
22012	31	29,32/03;25/04	22409	4	N36/04	24234	3	35/03	25671	18	21/04
22032	20	40/03	22410	32	40/03	24240	5	39,46,52/03;44/04	25673	15	43/03;36/04
22036	28	51/03;2,21,22/04	22412	2	2,4/04	24250	5	39/03;13,22,44/04	25677	20	32*,39,52/03
22051	19	39/04*	22415	8	2,4/04	24251	23	39/03	25679	10	11,15,31/04
22052	7	24/04*	22417	1	N1/04	24252	5	39/03	25681	16	34,39/03;15,32/04
22053	4	N20/04**	22420	2	30,40/03	24270	3	29/03	25683	18	32*,34,39,52/03;36/04
22054	1	20/04*	22421	4	N4/04	24271	14	29/03	25685	9	52/03
22082	4	38/03;20/04	22427	1	N40/03;N9/04	24274	2	29/03	25687	12	30/03*
22084	4	35,37/03;15/04	22430	6	22/04	24292	4	22/04	25848	25	11/04
22090	2	33/04	22433	3	35/03;22/04	24293	6	37,42,46/03;33/04	26050	1	47/03
22101	19	37/03	22434	2	35/03	24294	22	37,46/03	26060	1	42/03
22102	19	25/04	22437	2	22/04	24355	2	37/03	26068	11	50/03
22103	2	25/04	22461	1	21/04	24370	1	48/03;1,44/04	26081	8	42,43/03;16/04
22111	4	33/04	22471	31	2,6,8,22,27/04	24375	2	38/03;44/04	26083	14	19/04
22112	3	37/03;5,10,25,33/04	22481	35	2/04	24376	1	38/03	26100	4	31/03
22113	8	5,10,25,33/04	22482	16	9/04	24380	2	48/03;1/04	26122	30	30/04
22114	5	33,37/03;5/04	22492	3	34/03	24381	14	28/04	26125	3	41/03
22117	3	37/03;5/04	22521	3	34/03;33/04	24390	3	28/04	26127	21	11/04
22120	3	29,32/03;7,32/04	22523	3	34/03;33/04	24404	9	34/04*	26129	11	41/03
22121	9	29,32,47,51/03;18/04	22529	3	35/03	24430	5	31,52/03;24,34/04	26130	20	11/04
22124	2	29,32/03	22531	2	35/03	24431	14	31,52/03	26147	31	19/04
22125	1	32/04	23000	5	51/03	24433	3	52/03	26186	17	14/04
22130	2	29,32,38/03;2,7,32/04	23010	4	24/04	24434	4	52/03;34/04	26188	11	15,44/04
22138	3	11/04*	23030	6	37,42/03;14/04	24435	5	34/04	26218	2	31/03
22140	2	47/03;7,32/04	23071	3	24,29/04	24444	2	23/04	26219	5	31/03
22142	2	40,47/03;7,32,41/04	23121	7	19/04	24450	3	47/03;6,30/04	26220	6	11/04
22143	4	29/03;11,25/04	23123	3	19/04	24460	4	29,32,47/03;30,45/04	26224	32	35/04
22160	2	7,41/04	23124	3	N19/04	24461	4	38,47/03;30/04	26229	11	31/03;9,32,35/04
22170	3	25,33,40,41/04	23125	4	19/04	24462	5	29/03	26230	12	31/03;9,32,35/04
22172	8	29/03;11,41/04	23131	7	30/04	24463	6	38/03;13/04	26237	3	43/04
22173	36	29/03;11,17,21,33,40, 41/04	23141	7	37/03	24465	6	38/03	26244	3	40/04
22180	2	32/03	23142	10	37,47/03	24470	4	13,34/04	26247	19	43/04
22181	17	10*,17,40,41/04	23145	3	37,51/03;14/04	24480	1	42,48/03;21/04	26250	18	40/04
22182	7	10*,11/04	23153	8	49/03	24481	7	34/04	26259	2	40,43/04
22183	4	52/03*;21/04	23159	2	25/04	24482	2	31/03	26282	6	34/03
22190	2	29/03	24004	36	41,42,46/03;33/04	24484	3	31/03	26295	1	34/03
22221	20	31,34/03;1/04	24016	53	13/04	24491	3	32/04	26308	5	34/03
22222	1	31/03;1/04	24028	6	28,44/04	24492	20	32/04	26309	27	11/04*
22225	2	40/03	24050	11	31,32,33,51,52/03;6, 14/04	24500	1	7/04*	26310	1	N48/03*
22233	29	37/03	24052	16	39/04*	24502	6	34,47/03;41/04	26320	5	31,40/03;19/04
22234	1	1/04	24055	6	42,50,51,52/03;6,26/04	24504	7	42,48/03;21/04	27005	4	34/03;19/04
22250	2	4/04	24057	5	43/04*	24508	3	24/04	27040	5	40/04
22252	18	2,21/04	24058	2	29,30,42,44/03;7,9,33/04	24509	2	34,42/03;12,21,30/04	27041	4	40/04
22259	4	2,36/04	24060	2	32/03	24510	2	42/03;21,24,30/04	27042	21	41,42/03;10,40/04
22262	3	13/04	24091	6	46/03;22/04	24511	2	42,48/03	27044	27	40/04
22263	1	37/03;4/04	24092	14	22/04	24512	3	38,42/03;24/04	27060	2	34/03
22264	2	37,41/03;36/04	24100	5	46/03	24513	18	38,42/03;24/04	27061	5	28/04
22275	3	2/04	24103	3	10/04	24517	2	40,42/03	27080	4	39,52/03
22281	9	4,13/04	24110	3	35/03	25001	7	52/03	27081	6	19/04
22282	17	4,14/04	24130	14	33/04	25017	5	31,34,39,52/03;15/04	27082	6	19/04
22283	3	N14/04**	24133	6	31/03;36,37/04	25018	9	31,34,39,52/03	27083	39	4,24/04
22284	7	N5/04**	24140	18	41,42,46/03;6,7,11,22/04	25400	2	20/04*	27120	4	16,30/04
22285	1	14/04*	24141	4	37/04	25480	1	52/03;8/04	27122	5	19/04
22286	1	5*,13/04	24142	43	7,11/04	25481	25	8,26/04	27160	2	35/03
22290	4	30/03	24149	1	52/03	25482	16	43,44/04	27206	18	9,25/04
22293	15	37,38/03;21/04	24150	27	41,47/03;6,7/04	25483	20	8,33,46/04	28004	1	27/04
22294	15	16,21/04	24151	4	41/03;6,7/04	25485	45	36/03;10,30/04	28006	1	27/04
22305	2	30,34/03;27/04	24152	2	41,47/03;6/04	25487	2	36/03;10,30/04	28050	3	42,47/03
22311	19	13/04	24153	6	39,47/03;6/04	25524	43	32/03;23/04	28154	2	38/03
22312	2	30/03;9/04	24154	12	33/04	25525	17	23/04	28165	20	20/04*
22313	2	38,40/03;13/04	24155	6	46,49/03	25526	2	32/03;23/04	28167	4	16,33/04
22314	1	40/03	24160	21	47/03;10,15,22,33/04	25527	31	32/03	28168	22	16,33/04
22322	11	33/03**	24161	11	32,39,40,47/03;10,26,33, 36/04	25566	27	30/03	28170	1	38/04
22331	2	N1,N2,N27/04	24162	9	32,39,40,42,47,52/03;10, 26,36,37,40/04	25575	4	35,39/03;14,15,18,44/04	28190	2	16,30/04
22335	4	52/03;27/04				25600	47	1/04	28196	4	16,30/04
22341	9	29,52/03;2,27/04	24164	6	39,41,47/03	25601	34	37/04	28197	4	16,30/04
22342	9	29/03	24170	14	35/03;9,22/04	25607	4	48/03;31/04	28221	18	16/04
22343	1	N41,N52/03;N2,N27/04	24171	19	37,52/03;16,22,26,33/04	25608	22	33/04*	28260	30	16/04
22344	6	N52/03	24172	4	22/04	25609	5	1/04	28263	3	16/04
22351	1	N35,N41,N52/03;N2, N27/04	24180	15	40/03;36/04	25610	8	2/04	28300	1	16/04
22352	6	35,52/03;1,2,27/04	24190	15	35/04	25611	22	1/04	28302	16	7/04
22360	2	52/03;2,27/04	24200	14	9,13,35/04	25613	3	20*,25/04	28310	2	7/04
22361	2	N30,N32,N33,N34, N52/03;N2,N27/04	24201	5	49/03;9,35/04	25640	41	22/04*	29002	9	29/03
22370	2	30,33,34/03;2/04	24202	6	31,35,46/03;21/04	25641	27	15/04*	29012	8	7/04
			24203	36	49/03	25645	17	15/04	29015	5	7/04
			24210	14	42/03;29/04	25647	10	16/04	29040	3	39,48/03;7,14,45/04
						25649	19	44/03*	29101	6	7,8,13/04
						25650	34	25/04*	29104	4	45/04

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NM 29/03 THROUGH NM 46/04

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
29105	5	49,50/03;8,11,45/04	36036		N41/04*	37147	15	36/04**	37481	7	30/03;17,20,21,25,36,39,40,41,43/04
29106	5	34/04	36040	16	6/04	37148	13	43/04**	37501	3	33/03;32/04
29107	2	29,36/03;21/04	36060	17	2,17/04	37149	10	37/04**	37502	2	33,41/03;15,41/04
29121	5	8,12,13/04	36120	9	17/04	37150	8	37/04**	37506	4	33,48/03;11,26,32/04
29122	5	34/04	36125	7	30/03	37161	14	37/04**	38032	6	34/04
29124	1	21,34/04	36137	4	39/04**	37162	12	30,32,33,35,37,39,40,41,43,45,46/03;7,29,39/04			
29127	4	29,39,42/03;21,34/04	36138	3	39/04**	37163	19	32,43/03;11,12,22,25,31/04			
29141	3	29,39/03	36139	4	39/04**	37164	4	30,32,35,37,43,46/03;7,22,24,39/04			
35000	26	42/04	36140	12	39/04**	37165	2	30,32,34,35,37,39,43,45,50,52/03;1,5,7,8,11,15,39/04			
35001		N28*,N37/04	36141	7	41/04**	37166	2	30,32,33,34,35,37,39,40,41,43,45,46,51/03;7,11,12,21,25,39/04			
35002		N19*,N37,N42,N43,N44,N46/04	36143	4	30,43/03	37170	11	38/04**			
35003		N19*,N37/04	36161	10	21/04	37175	2	38/04**			
35004		N19*,N37/04	36165	6	30,43/03;21/04	37180	20	38/04**			
35005		N23*,N30,N37,N42,N44,N46/04	36180	23	44/03;13/04	37182	14	38/04**			
35006		N24*,N42,N43/04	36181	18	13/04	37200	15	30,35/03;15,23/04			
35008	21	23/04	36182	6	13/04	37205	2	30,40/03;15/04			
35009	19	28/04**	37000	22	43/03	37221	13	29,30,32,50,51,52/03;5,8,11,16,18,19/04			
35010		N28/04*	37005	16	29,30,50,51/03;5,8/04	37222	13	30,46,52/03;16,32/04			
35011	2	31/04	37010	23	29,30,43,50,51/03;5,8,12,15,32,39/04	37223	14	30,32,34,35,39,43/03;7,11,16,21,24,39/04			
35013		N23/04*	37025	26	31,33,34,36,38,41,43/03;3,4,10,11,15,26,43/04	37224	11	30,37/03;16/04			
35014		N23*,N41/04	37030		N28*,N37,N41/04	37226	17	51/03;32/04			
35016	17	31/04	37031		N34/04*	37228	14	29,30/03;44/04			
35025		N23*,N42/04	37032	2	31,38,42,43,45/03;3,4,9,15/04	37231	18	50,52/03;8,19,21/04			
35027		N24*,N42/04	37033	2	33/03;15,17,43/04	37232	12	29,31/03			
35028		N28*,N42/04	37034	2	33,41/03;10,15,P18,22/04	37234	13	31/03			
35032	16	12/04	37035		N34*,N42/04	37235	11	5/04			
35034		N31/04*	37036		N34*,N37,N41,N45/04	37238	6	30,33,37,40,41,45/03;7,25,30/04			
35035		N28*,N29/04	37037		N34/04*	37241	17	30,32,33,35,37,39,43,45/03;7,29/04			
35036	21	43/03;12,13/04	37038		N34*,N37/04	37242	10	30,32,35,39,43/03;11/04			
35037		N31/04*	37039		N36*,N38,N42,N44/04	37243	7	30,32,37/03;24/04			
35038		N32/04*	37043	17	43,46/03;12/04	37244	11	30,32,33,35,37,39,43,45,46/03;7,20,24,25,29,31/04			
35039		N32/04*	37046	18	43,46/03;12/04	37246	14	30,32,33,35,39,40,43,45,46/03;1,11,22,24,25,29,31,38/04			
35040	18	24/04**	37050	9	12,26,31,32,44/04	37248	18	30,32,35,40,41,43,45/03;7,12,20,22,25,29,31,38,39/04			
35041	8	23/04**	37051		N37*,N42,N45/04	37258	4	27,32,33,45/04			
35042	9	24/04**	37052		N36*,N42,N44/04	37261	10	27,32,33,38,45/04			
35043	5	28/04**	37053		N43/04*	37262	20	27,32,33,45/04			
35044	9	36/04**	37054		N37/04*	37264	3	33,37,44,45/04			
35045		N32/04*	37055		N37*,N38/04	37265	3	32/03			
35046		N32*,N37/04	37056		N37*,N38/04	37266	3	45/04			
35047	5	31/04**	37057		N38/04*	37281	15	29,33,37,45/04			
35048		N32/04*	37058		N38/04*	37320	16	36,38,44/03;7,12,21,26,27,31,32/04			
35049		N33/04*	37059		N38*,N42/04	37325	8	38/04			
35050		N28*,N37/04	37060	3	43,46/03;12/04	37326	2	36/03			
35051		N33*,N37/04	37062		N38*,N42/04	37328	2	26,33,37,39/04			
35052		N33/04*	37063	21	43/03	37330	2	27,31,32,33,44,45/04			
35053		N33/04*	37075	3	43/03;12/04	37342	3	45/03;12/04			
35054		N23*,N42,N44/04	37080	3	12,23,26,27,31,32,33,37,44,45/04	37343	10	12/04			
35055	14	28/04**	37081	23	32,33/04	37344	11	38,45/03;13/04			
35060	16	23/04**	37082	9	24,33/04	37360	15	31,36,38,39,43,44,45/03;9,11,12,13/04			
35081	15	28/04**	37090	8	12,23,26,27,29,32,37/04	37362	6	32,33,38,39/03;12,14/04			
35082	7	31/04**	37095	3	32,39/03;27,29,38,44,45/04	37363	8	32/03			
35083	8	32/04**	37103	9	12,26,44/04	37380	2	38,39,41,43/03;7,11,12,13,19,21,23,39/04			
35084	15	32/04**	37104	3	44/04	37401	10	31,34,36,41,43,46,47/03;1,7,9,11,19,21,23,39/04			
35085	3	32/04**	37106	4	32/03;26,44/04	37402	9	31,36,43,44,47/03;1/04			
35086	5	32/04**	37110	11	31,32,39/03;12,26,32,38,44/04	37403	23	41/03;37/04			
35087	3	33/04**	37111	1	27/04	37420	1	41/03;9,37/04			
35088	2	28/04**	37115	2	31,32,39/03;12,26,32,44/04	37421	8	41/03			
35099	3	33/04**	37120	2	30,32,39,42,43,44,45/03;12,20,24,25,26,27,31,32,38,39,44/04	37423	5	41/03			
35100	14	23/04**	37122	12	31,44,45/03;12/04	37441	4	37/04			
35101	6	33/04**	37123	9	27/04	37443	2	38,45/03;7,37/04			
35103	5	33/04**	37125	15	27,32,33,39,43,44/04	37445	1	34,38/03;28/04			
35120	13	23/04**	37126	8	38,39,43,44/04	37446	2	34/03;28/04			
35130	3	24/04	37127	11	27/04	37461	9	36,50/03;3,15,25,26,33,35,37,44/04			
35136	2	24/04	37133	4	28/04**	37463	6	43/03;1,2,3,4/04			
35200	7	28/04**	37134	5	34/04**						
35205	3	31/04	37136	6	34/04**						
35210	3	31/04	37137	6	34/04**						
35299	9	43/04	37138	5	34/04**						
35350	2	23/04	37139	8	36/04**						
35363	1	12/04	37140	33	30,32,42,43,44,45/03;12,24,25,26,27,32,39,44/04						
35365	1	12,23/04	37141	29	31,45/03;23/04						
35380	8	12/04	37145	23	37/04**						
35390	2	12/04									
35400	11	18/04									
35420	13	12,18/04									
35424	3	18/04									
36005	2	31,43,44/03;13,23,26,27,31/04									
36010	27	43/03									
36015	2	44/03;13,26/04									
36032		N39/04*									
36033		N39/04*									
36034		N39/04*									
36035		N39/04*									

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
43084	3	16,23,41,43,46/04	43360	21	30,32,43,52/03;5,7,11,14,16,17,20,26,28,30,37/04	44120	7	33,39,40,41,45,48,49/03;1,3,9,14,17,20,23,27,37,40,46/04	44360	9	30,31,32,37,39,44,52/03;2,11,24,30,31,36,37,38/04
43100	4	22,29,41,45,46/04	43362	5	44/03	44140	8	31,40,44,47,50/03;9,20,22,25,37,40,43/04	44361	6	35,52/03;4,6,15,17,20,40,46/04
43101	3	29,41,43,45,46/04	43363	5	17/04	44160	7	31,41,47,48,49/03;2,5,9,11,13,19,22,23,25,29,37,40,41,43/04	44365	1	43,52/03;4,11,13,15,40,42/04
43102	4	29,41,45/04	43366	4	44/03	44161	2	35,39,41,48,49,50/03;3,8,9,16,20,21,22,27,28,37,38,40,41/04	44366	1	44,52/03;30,42/04
43103	4	29/04	43368	5	43,48/03;14,17,45/04	44162	1	47/03;9,17,33/04	44367	2	39/03;13,20,23,26,31,36,41/04
43104	4	29/04	43369	6	43,48,50/03;14,17,24,26/04	44164	1	47/03;2,6,12,13,15,23,25,38,46/04	44400	4	34,41,49,50,51/03;7,12,16,18,19,24,25,31,36,38,40,43,44,45,46/04
43106	6	44/03;7,10/04	43370	7	47/03;12,14,23,24/04	44165	1	34,39,45,48/03;2,9,11,12,15,18,24,33,40/04	44401	7	41,49/03;6,12,21/04
43107	1	7/04	43371	13	38,43/03;10,12,14,23,24/04	44178	2	2,16,18,42,43/04	44410	4	41,45,49,50/03;2,3,9,16,18,22,28,29,31,36,37,38,40/04
43120	4	5,7/04	43372	4	10,12,14,41/04	44179	2	35,39,51,52/03;3,8,14,18,25,26,42/04	44420	6	40,44,49/03;5,8,9,11,22,23,24,25,26,27,29,36,37/04
43122	3	7/04	43373	8	40,42,49,50,52/03;8,9,14,23,24,25,26/04	44180	6	43,48,50/03;2,3,6,8,11,12,14,22,25,28,33,37/04	44430	2	40,44,47,52/03;22,27,30,37,40,42,43,46/04
43123	3	7/04	43374	1	43/03;10,14,17/04	44181	5	48,52/03;2,8,9,11,12,14,22,25,30,40,46/04	44444	6	30,34,35,36,38,41,52/03;7,13,20,21,26,40/04
43124	5	3,5,7,10/04	43375	7	42,44,50,51/03;5,11,20,21,22,23,37/04	44182	4	42,43,46,48,49/03;1,2,6,8,12,15,18,23,26,27,38,43,46/04	44461	10	31,36,47,50/03;22,30,43/04
43125	7	44/03;7,10/04	43376	5	14/04	44183	6	35,39,43,46,49/03;2,13,14,15,28,40,43/04	44462	4	39/03
43126	4	5,7,20,25,41,46/04	43377	2	47/03;14/04	44184	9	32,48,52/03;8,11,21,24,27,40,42,43,46/04	44463	9	22/04
43127	5	1,3/04	43378	2	38/03;14/04	44185	7	32,48,50/03;9,11,14,18,40,43/04	44465	2	47/03;22,43/04
43140	4	35,38/03;1,5,25,30,41,45,46/04	43379	1	24/04	44186	2	29,49/03;1,3,11,12,16,21,23,24,40,42,46/04	44481	2	31,50/03;17/04
43141	5	5/04	43382	2	48/03;14/04	44187	2	39,44,48,50,52/03;2,6,22,33,40,43,46/04	51002	7	4/04
43142	4	1/04	43384	1	32,44/03;2,5,9,11,21,22,23,29,30,42/04	44192	1	39,43,44,48/03;1,2,5,8,9,11,14,15,24,28,30,33,40,41/04	51007	22	33,40/03;9,10,14,34/04
43144	4	43/03;20,21,22,25,30,38,46/04	43385	1	42,46,49,51/03;8,11,12,19,21,22,33,42/04	44193	1	43,48,50/03;5,6,9,12,14,15,25,27,32,42,46/04	51013	4	33,36,45/03;14,19,30,34,46/04
43145	4	20,25,30,38,46/04	43386	2	47/03;24/04	44200	1	40,46/03;6,11,22,30/04	51022	11	44/03;21,29,30,40,43/04
43146	2	34,35,44/03	44000	16	44/03;19,42/04	44205	2	29,31,39,43/03;11,20,22,23,27,43,44/04	51027	8	45/03
43147	3	35,38/03	44001	2	50/03;8,9,11,18,19,36,38,46/04	44206	1	40,46/03;6,11,22,30/04	51032	10	45/03
43148	4	43/03	44015	8	40,44,47,50/03;1,8,9,11,18,19,20,22,27,36,37,40,42,46/04	44207	1	40,41,45,46,50/03;9,21,22,23,30/04	51061	14	4,34/04
43150	2	N34,N35,N38,N41/03;N20,N21,N22,N30/04	44030	7	48,50/03;13,20/04	44220	5	40,45,46,48/03;3,11,20,23/04	51062	28	34/04
43161	2	35,41/03	44036	5	30,32,52/03;5,16,28,30/04	44221	1	52/03;3,11,37/04	51081	10	45/03;6,19,20,29/04
43162	3	41/03	44037	5	52/03;27/04	44222	1	48/03;11,12,15,23/04	51082	7	45/03;19,29/04
43163	3	41/03	44038	5	46/03;18/04	44223	1	42/03;3,19/04	51100	7	33,34,41/03;10,P18,19,22,23,30,40/04
43164	3	34/03;20,21,22,30,38,46/04	44040	23	30,32,44,52/03;1,5,6,16,19,28,29,30,41/04	44240	8	39/03;3,20,37,38,42,43/04	51103	10	17,23,26,34,37,39/04
43165	2	21,22,23,38/04	44041	7	52/03;3,8,9,13,20,26,27,28,41,44/04	44243	2	17,22,24,26,31/04	51109	5	5,12/04
43166	2	43/03;23/04	44042	7	29,32/03;9,12,13,15,20,22,25,26,27,28,37,41,42,44/04	44260	7	48,52/03;5,13,16,17,32,42/04	51120	6	4/04
43167	5	36,42,44/03;20,21,46/04	44043	8	52/03;9,16,26,27,28,41,44/04	44280	9	34,44,47,50/03;11,32,38/04	51135	1	46/03;4,5,25,27/04
43168	2	36,42/03	44044	6	44/03;9,16,24,25,27/04	44281	2	45,49,50/03;11,12,19,37,38,42/04	51142	2	33,40,45/03;29/04
43180	5	44/03;22,38,45,46/04	44045	6	44/03;5,16,41/04	44282	1	14,20/04	51143	4	40,45/03;9,29/04
43181	3	43/03;41,45/04	44046	10	1,6,19,27,29/04	44283	2	43,45,49,50/03;13,37,42/04	51144	3	46/03;9/04
43182	4	22,30,41,45/04	44047	2	30,31,32,40,48/03;16,29,30/04	44284	2	42,44/03;14,31,32/04	51145	2	41/04
43200	3	22/04	44048	11	31,40,48/03;9,13,16,21/04	44285	1	40,44,47/03;11,21/04	51146	3	36/03;41,46/04
43201	2	N21,N22/04	44049	9	30,31,40,48,50/03;1,2,9,12,18,26,29,30,33/04	44286	1	40,47/03;11/04	51150	1	33,40,46/03;9,12,28/04
43202	3	22/04	44050	21	31,32/03;12,28,30/04	44310	5	37,50/03;19,29,33/04	51151	3	6,9,29/04
43203	3	22/04	44051	1	1,2,9,25,26,33/04	44313	1	36,37,39,40/03;11,19,20,22,23,26,33,38,40/04	51155	1	12,29/04
43204	4	36/03	44057	5	29,30/03	44319	2	2,19,38,46/04	51158	2	33/04
43206	3	14,45/04	44061	21	32/03;1,6,17/04	44320	4	37,49,50,51/03;2,12,19,20,21,41/04	51159	3	39/03
43240	4	12/04	44062	8	40/03;1,17/04	44321	6	44,45/03;19,20,21,22,23,26,31,38,40,41,42/04	51160	20	45/03;12,14,28,34,38,43,46/04
43244	4	12/04	44063	8	1/04	44340	11	33,37,49,50,52/03;2,6,7,11,12,18,19,21,23,26,38,40,41,46/04	51163	4	43/03;12,19/04
43245	4	12/04	44064	19	1,6,15,27/04	44341	7	52/03;18,19,20,26,28,29,31,37,40,41,43/04	51164	18	43/03;5,14,27,28/04
43247	5	44/03	44065	7	6,19/04	44342	8	52/03;18,22,27,31,42,43,45/04	51165	8	39/03;5,8,27/04
43248	3	44,46,47/03;14,25,28,38/04	44066	10	31/03;6/04	44352	2	49/03;2,7,24,31,45/04	51166	3	N39/03
43249	2	10/04	44067	22	6,9,14,15,21,29/04				51167	6	5,8,14,27/04
43252	1	44,46/03;14,25,28,38/04	44068	11	40,51/03;9,27,32/04				51168	2	45/03;14,28,43/04
43260	4	46,47/03;10/04	44069	16	40/03;9,14,15,21,29,30,32,44/04				51181	10	28/04
43261	5	46/03;25,26,27,28/04	44070	7	21/04				51220	8	43,45,46/03
43262	5	46/03;24,25,26,27/04	44071	4	29/03;21/04				51223	2	24/04
43263	7	37,44,46/03;1,21,23,26/04	44072	4	40/03				51240	2	43,46/03
43264	2	46/03;24,25,26,27/04	44075	4	40/03				51260	4	43,44,52/03;43/04
43265	2	37,46,47/03;23/04	44076	3	30,32/03;14,26/04				51261	23	40,46/03;12,30,32/04
43266	1	47/03;10/04	44081	9	46,48/03;9,14,15,16,23,27,32/04				51263	23	32/04
43280	5	37,40,47/03	44082	11	33/03;17,21/04				51320	3	40/04
43281	6	37,44,46,47/03;1,21,23/04	44083	8	33/04				51341	23	34/03;15,37,43/04
43283	6	37,40,43,47/03;1,20/04	44084	1	30/04				51342	3	5/04
43284	4	40,43/03;1,20,21/04	44085	2	51/03				51343	3	21,43/04
43285	5	44,49,51/03	44087	7	31,40,41,46,48,49,51/03;6,9,14,15,16,17,23,27,30,32,37,40,44/04				51344	2	44/03;26,33,46/04
43287	2	37/03;1/04	44105	2	41,47,48,52/03;3,20,24,30/04				51380	5	42/03;21,29,30,40/04
43300	5	49,51/03;10,23,38/04							51420	5	42/03
43301	4	49/03;23,30/04							51440	4	42/03
43302	4	10,14,15,38/04							51460	4	22/04
43303	4	43/03;14,21,38/04							51500	6	41/04
43304	2	43/03;10,14,15/04							51540	3	45/03
43320	5	49/03;15,17,20,21/04							51559	3	23/04
43321	6	15,16,17,21,23,38/04									
43322	5	38/04									
43323	4	49/03;15,17,21,23,38,46/04									
43324	4	49/03;15,21,46/04									
43340	13	49/03;15,22/04									
43341	7	49/03;22,38,45/04									
43342	7	49/03;38/04									
43344	3	39/03									
43356	2	14/04									

CHARTS AFFECTED BY NOTICE TO MARINERS
 NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
51560	11	50/03	53101	7	43,46/04	54417	1	30/03*	56065	3	38/03;8,18,26,28,40,44/04
51562	10	50/03	53106	6	33/03;36/04	54418	4	30,37,49/03;24,25,30,41/04	56067	3	38/03;8,10,26,28,40/04
51580	13	41/03	53110	1	36/04				56081	19	5,39/04
51600	12	39/03;23/04	53111	3	11/04	54421	6	36,41,43,46,49/03;20,32,33,39/04	56082	16	29/03;39/04
51620	10	39/03	53120	14	31,35/03;11,13,36,39/04				56083	2	39/04
51621	9	20,24/04	53123	3	29/03	54422	4	46/03	56100	14	33/03*
51641	4	32,34,40/03	53130	1	36/04	54430	1	36,43/03;2,14,20,33/04	56101	6	5,40/04
52031	1	48,49/03;7,10,13,20,25,27,30,40,41,42,46/04	53133	4	33*,45/03	54440	4	38/03;13,34,37/04	56102	23	5,40/04
52039	4	45/03;36,46/04	53141	5	45/04	54441	6	22,30/04	56103	6	33/03;5,40/04
52040	17	34/03;13,20,27,28,30,46/04	53147	3	35/03;36,39/04	54462	5	51/03;4,40/04	56104	3	5,39/04
52043	21	48,50,52/03;1,26,36/04	53149	2	11/04	54463	5	1,27,37/04	56105	1	38/03*
52046	21	12,13,19/04	53160	14	35,39,45/04	54464	5	15/04	56120	12	27/04
52047	11	34/03;20,28,45/04	53161	8	35/04	54480	8	7,13,22,29,30,35/04	57000	10	43/03
52048	3	30,46/04	53164	9	35/04	54481	8	33,43/03;7,13,22,40/04	57006	5	28/04
52051	1	16,27/04	53166	1	6/04	55001	4	29,33,35,36,39,43,44,52/03;6,21,36,37,39,42/04	57014	11	37/04
52052	1	16/04	53180	10	29/03;11,35,44,46/04				57035	10	4,23/04
52054	1	39/04	53200	6	30/03;4,11,12/04	55040	4	35,36,39,41,42,50,52/03;6,9,13,17,19,22,25,32/04	57060	7	43/03;24/04
52055	1	39/04	53201	6	38/03	55041	7	43,49,50/03;2,5,13,15/04	57080	8	24/04
52060	16	29,34/03;6,27,31,34,35,39,40,42/04	53202	3	28,46/04	55042	1	35,37/03;9,19,32/04	57101	18	28,45/04
52061	2	29,34/03;6,30,41/04	53206	6	34/04	55043	2	37,52/03	57103	2	24/04
52062	7	29,34/03;1,6,7,31/04	53220	6	4,10,12,36/04	55044	5	42,52/03;1,2,25/04	57140	10	24,28/04
52066	3	39/04	53226	3	35/03;12/04	55045	2	39,52/03;3,9/04	57141	14	28,43/04
52080	14	48,49/03;5,7,20,21,25,30,38,41/04	53262	8	1/04*	55046	4	35,36,41,46,50/03;6,8,9,17,18,19,23,25/04	57142	6	28,44/04
52082	3	21,29,30,38/04	53283	4	40/03;6/04	55047	8	41,49,51/03;6,7,15,18,23,25/04	57160	10	28,45/04
52083	2	46,48/03;39/04	53287	6	36/04				57161	4	23/04
52084	2	41/04	53301	4	21/04	55048	12	1,8,13,15,23,25/04	57165	1	28/04
52085	3	46/03;34,42/04	53306	2	31,43/03	55049	6	45,46/04	57170	1	52/03;20,28/04
52086	2	36/03;5,7,41/04	53311	3	37/03	55060	7	17,21,36,46/04	57200	6	52/03;37/04
52087	1	6/04	54000	3	11/04	55062	5	33/03;21/04	57201	5	52/03;26,45/04
52088	3	10*,20,21/04	54060	5	6,12/04	55063	1	44/03	57240	8	28/04
52092	1	48/03;39/04	54061	11	42/03	55064	3	8,25,39/04	57241	12	31/03
52120	12	6,19,26,32,33,42,45/04	54082	12	10/04	55082	9	32,44,46,50/03;20/04	57242	8	41/03
52121	8	42/04	54083	4	10/04	55084	7	39/03;11,28,42,44,46/04	57245	1	41/03
52122	14	13,14,22,45/04	54085	2	42/03	55085	9	31,33,36,39,46,50/03;9,17,20,30,42/04	57260	3	28,37/04
52124	1	6/04	54090	3	6,12,27,42,45/04	55100	8	29,33,34,39,43,44/03;6,21,36,39,40,42/04	57381	12	4,27,37/04
52125	1	14,22,33,39,45/04	54095	3	30,42/03	55101	4	32,34,38,39,42,43,46,50/03;2,4,6,9,11,13,17,28,40,46/04	57400	3	23/04
52140	6	29,46,49,52/03;5,7,12,25,42/04	54105	3	50/03;10,36/04	55102	3	32,36,43,46,50,52/03;2,6,13,17,40,42/04	57460	4	29/03
52141	5	41,44,46,49/03;25,39/04	54115	3	30/03;10,36,P44,45/04	55103	2	31,35,36,38,42,43,45,46,50,52/03;2,6,13,15,28,30,40,42,44,46/04	57486	6	28/04
52142	3	14*,20/04	54120	5	10,36,P44/04	55104	2	31,33,36,45,46,52/03;2,6,13,28,40,42,44,46/04	57487	6	22/04
52143	8	7/04	54125	3	30,47/03;P44,45,46/04	55105	7	29,33,36,42,43,48,52/03;3,9,37,40/04	57488	6	22,27/04
52144	5	47/03;7,29,42/04	54131	2	50/03;12,35,36,45/04	55106	2	29,43,44,51/03;3,14,15,21,25,28,31,39/04	61000	20	31/03;20,27/04
52160	7	50,52/03;14,37,43/04	54140	7	30,47,51/03;P44,45/04	55107	2	33,34,42/03;2,17,21,28,36,40/04	61040	6	31/03;20/04
52161	14	52/03	54151	1	42/03;24,41/04	55108	2	32,36,51/03;40,44/04	61050	4	31/03;27/04
52164	2	14,43/04	54161	12	27,44/04	55109	2	32,34,43,50/03;2,6,9,11,13,20,30,40,42,46/04	61051	7	27/04
52170	3	42,52/03;10,33/04	54165	2	38/03	55110	2	29,43,44,51/03;3,14,15,21,25,28,31,39/04	61060	5	39/03
52172	2	52/03;33/04	54168	1	38/03;P44/04	55112	2	33,34,42/03;2,17,21,28,36,40/04	61070	4	39/03
52180	14	50/03;6,33,34,36/04	54169	3	38/03;14,P44/04	55129	7	34,35,42,45,46/03;6,9,11,20,28,30/04	61071	9	39/03;45/04
52183	9	52/03;34/04	54180	6	30,42,47,51/03;P44,45/04	55130	2	32,33,34,39,42,46,50/03;2,6,9,11,17,28,40,42/04	61091	5	35/03
52184	3	34,38/04	54181	7	48/03*	55131	1	38,39/03;6,9,15,17,44,46/04	61092	13	35,39/03
52186	3	33/04	54195	2	51/03	55133	3	34,36,38,46/03;6/04	61100	4	37/04
52200	8	34/04	54223	2	46/04	55138	4	52/03;6,9,15/04	61110	12	34/03;45/04
52202	7	34/04	54224	2	46/04	55139	5	6,15/04	61112	10	35/03
52220	7	34/04	54226	2	47/03	55140	2	29,33,34,35,36,42,45,46,47,52/03;2,9,11,17,20,28,40/04	61130	3	9/04
52221	7	34/04	54227	2	47/03;12/04	55150	2	36,48/03;3,14,31,37/04	61140	5	9/04
52223	4	43/04	54266	2	27,45/04	55156	2	29,41,42/03;3,37,41/04	61141	6	35/03;9,14,37/04
52240	9	20,33,34,40/04	54284	1	34/03	55161	1	41,42/03;23/04	61142	6	35,39/03;9,14,37/04
52243	11	20,34,40,42/04	54337	3	21,31/04	55170	2	46/03;6,9,13,15,24/04	61150	4	45/04
52262	6	4,40/04	54339	8	31,32/04	55180	2	29,33,36,39,42,45,46,47,52/03;2,9,11,20,40,42,44/04	61180	4	38/03
52263	5	4,35,40/04	54343	10	6,31,32,33,34/04	55190	2	39,40,51,52/03;2,3,6,9,15,30,40,44/04	61190	4	9/04
52282	10	35/04	54344	6	34/04	55200	2	32,33,36,39,42,45,46,47,50,52/03;4,11,14,17,20,30,40,42/04	61204	5	22/04
53011	2	7,10,35,36,46/04	54346	9	20*,31,32,33,34,35,36/04	56011	1	50,52/03;10/04	62120	6	26/04
53031	1	31,49/03;6,7,39/04	54347	4	45/04	56031	1	29,41/04	62142	10	32/03
53058	2	37/03	54350	4	37/03	56060	9	38/03;18,28,40,44/04	62143	3	32/03
53060	14	31,36,39,44/03;6,11,22,26,32,39,42/04	54352	3	33,37/03;6/04	56064	6	8,18,26,44/04	62177	3	12/04
53061	10	38,44/03;15,17,21,43/04	54359	2	38/03;21/04				62188	4	37/04*
53062	13	15,17,19,21,22,26,33/04	54360	12	34,50/03;6/04						
53063	9	33*,37/03;21/04	54361	10	38/03;21/04						
53064	6	39/03;11/04	54363	3	50/03;2,6,46/04						
53065	2	39/03;11/04	54368	4	50/03;46/04						
53066	2	39/03;11/04	54369	4	34,50/03;2/04						
53081	9	40*,42/04	54372	2	46/04						
53082	14	37/04*	54380	6	34/03;17,24/04						
53083	8	41/03;21,30/04	54382	9	40/03;15,28,38,41/04						
53084	6	30/04	54387	7	30,39,42/03;38/04						
53086	8	11,31,45/04	54389	8	24/04						
53087	9	45/04	54400	8	30,36,37/03;13,14,19,24,25,30,41/04						
53088	7	43,46/04	54403	4	30,36/03;19,30/04						
53089	4	41/03;9/04	54407	4	30,37,49/03;13,14,24,25,30,41/04						
53090	1	50/03	54408	4	25,41/04						
53093	2	41/03;8,31/04	54409	2	13,34/04						
53100	16	31/03;11,13,31/04	54413	3	37/03						
			54416	5	33,37/0						

CHARTS AFFECTED BY NOTICE TO MARINERS NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62191	15	27/04	63040	2	52/03	72103	2	25/04	74270	3	38/03;10,15,21,35,38,42/04
62193	17	39/04	63050	2	45/03;40/04	72105	2	50/03;9/04	74271	9	29,30,38/03;10,21,35,38,42/04
62194	8	24,39,46/04	63053	4	39,45/03;34,39,40/04	72107	2	32/04	74272	7	29,30/03;9,15,21,35,38,42/04
62220	9	26/04	63054	3	34,39/04	72110	9	9/04	74273	5	10,15,35,45/04
62225	3	26/04	63055	2	39/03;39/04	72120	3	9/04	74281	7	30,52/03;17/04
62230	2	50/03;9/04	63060	7	45/03;40/04	72173	2	9/04	74283	2	52/03
62241	10	5/04	63062	7	37,44,50/03	72181	2	50/03	74285	2	38,50/03;46/04
62250	4	32/03	63065	6	44/03	72203	2	9/04	74286	2	29,35/03
62270	4	29,32/03	63070	3	23/04	72204	1	26/04	74287	2	47/03
62271	5	13/04	63090	8	30,40/03	72231	8	35/04	74289	5	10/04
62290	3	11/04	63091	4	5/04	73000	9	10,35,36/04	74290	11	30,38,50/03;15,18,44,46/04
62310	2	29/03	63100	2	30/03	73002	4	10/04	74292	8	52/03;1,44/04
62330	2	39/04	63101	15	30,40/03;16/04	73004	4	8,10,26,27/04	74293	7	18,44,46/04
62340	3	13,46/04	63102	19	30,40/03;16/04	73006	2	10/04	74294	3	44/04
62350	3	13/04	63103	17	16/04	73008	8	36/04	74295	3	29,35/03;1,44/04
62355	6	29/03;39/04	63111	9	16/04	73010	3	10/04	74296	4	52/03;15,37/04
62360	5	37,40,44,P44/04	63172	4	42/04	73012	6	36/04	74320	3	41,43/03
62361	2	N37,N40,N44,NP44/04	63200	5	30/03;10/04	73014	10	10,35,36/04	74350	4	44/03;21/04
62366	4	33/03*;9/04	63201	9	30/03	73016	4	10/04	74376	5	44/03;46/04
62391	5	33/03*	63205	2	30/03;10/04	73018	3	10/04	74392	7	49/03
62392	7	P44/04	63210	3	30/03	73020	9	10,21/04	74393	9	39/03;13,36,38/04
62393	7	8/04	63231	8	44/04	73022	4	10,35/04	74394	2	39/03;13,36,38/04
62394	10	8/04	63233	15	44/04	73130	8	31/04	74420	3	30/03
62400	17	31/03;13/04	63250	6	5,16/04	73141	5	10/04	74450	3	37/03
62401	9	41/03;8/04	63252	1	33/03	73191	3	10/04	74455	3	38,49/03
62405	8	43/03	63260	5	5/04	73470	4	35/04	74460	4	37/03
62406	2	9,13/04	63271	8	9/04	73552	4	38/03;18,46/04	74465	2	36,38/03
62408	7	8/04	63310	5	9/04	73580	4	43/03	74475	2	42,48/03
62411	1	10,13,17/04	63320	8	37,49/03;9,16/04	73581	4	43/03;40/04	74492	7	46/04
62412	12	52/03	63321	6	37,49/03;16/04	73590	6	36,43/03	74493	3	37/04
62413	12	50,52/03;10/04	63322	2	49/03	73601	3	43/03;12/04	74494	2	46/04
62417	1	10,13/04	63324	1	9/04	73620	2	12/04	74510	2	35,38/03;13,40/04
62420	5	52/03;10/04	63331	9	30/04	73631	4	40/03	74515	4	31,35/03;40/04
62432	17	50/03*;11/04	71009	3	36/04	73640	5	40/03;10/04	74517	3	31/03;40/04
62433	13	40/04*	71018	10	25/04	73650	5	40/03	74530	2	36,49/03
62434	9	43,50/03;1,4,5,11,12,15,23,31,40,46/04	71027	9	33/03;14,34,36,42/04	73653	1	40/03	74535	2	36,38,49/03
62437	10	30*,32,35,37/03;5,15,40/04	71033	31	36/04	74000	6	41/03;37/04	74543	3	32/03
62440	8	41/03;8/04	71036	8	25/04	74002	2	31/03	74550	4	32/03
62446	3	43/03	71040	5	47/03	74003	5	31,34/03	74553	3	12,46/04
62448	2	P44/04	71045	2	36/04	74004	2	30/03;12/04	74560	10	31,32/03;15/04
62449	4	8/04	71050	2	36/04	74005	2	30,38/03;15/04	74581	9	31,39,48/03
62451	7	5,9,P44/04	71066	2	31/04*	74007	1	46/03	74582	9	31,39,48/03
62453	4	50,52/03;10/04	71081	4	32/04*	74008	6	15,21/04	74583	15	38,48/03;12/04
62455	7	40,44/04	71091	4	36/04	74009	10	36,44/03;21/04	74584	5	36,38,39,48/03
62459	2	41/03	71140	6	36/04	74010	10	36,37/03;8,22/04	74590	2	46/04
62460	4	9,36/04	71210	18	36/04	74015	10	31,36/03;8,13,22/04	74591	7	38/03;12,46/04
62480	2	32,41/03;8,9,36,43,P44/04	71211	4	36/04	74016	3	42,48/03	74592	2	42/03
62490	2	32,50/03;9,12,15,18,23,31,35,36,40,43,P44/04	71220	3	35/04	74017	4	31,38/03;13/04	75000	6	31/03
62498	4	31/03;13/04	71230	11	39/04	74020	4	31,38/03;13/04	75001	3	31,32/03
62499	4	31/03	71241	10	15,25,39/04	74021	7	31,35/03;13/04	75010	7	45/04
62510	3	8,9,36,P44/04	71244	3	11/04	74027	9	39/03	75025	9	36,38,39/03;8,42/04
62512	3	N8,N9,N36,NP44/04	71247	18	11,12,15/04	74030	6	42/03	75035	18	8/04
62515	2	26/04	71248	2	N10,N14,N34/04	74051	2	42/03	75051	6	5,11,36/04
62520	6	32,41/03;8,9,36/04	71249	2	14/04	74151	9	29,40,41/03;19,37/04	75052	2	10,11,36/04
62521	4	N32,N41/03;N8,N9,N36/04	71251	11	50/03;10,12,14,34/04	74152	11	30,34/03;1,13,19/04	75130	16	37/03;22,37,40,45/04
62530	6	32,52/03;9,17,35,43/04	71255	6	10,11,12/04	74171	4	40/03	75131	7	39/03;45/04
62531	4	N32,N52/03;N9,N17,N43/04	71257	2	10,11,12,14,15,25,26,45/04	74172	5	40/03	75132	11	29,32,35/03;9,21,45/04
62540	6	30,35,43,50/03;9,12,15,18,23,26,31,35,40,P44/04	71258	2	10,12,14,15,25,45/04	74175	8	34/03	75134	3	29,37,45/03;9,22,37/04
62541	3	N30,N35,N43,N50/03;N9,N12,N15,N18,N23,N26,N31,N35,N40,NP44/04	71259	3	44/03;10,11,14,15,24,34,38/04	74181	12	34,38,39,40,41,42,49/03;11,17/04	75142	5	35/03;9/04
62550	3	32,52/03;5,9,10,17,36/04	71262	7	33/03	74183	11	38/03	75143	4	10/04
62560	4	5,8,9,17,27,P44/04	71265	3	10,11,14,15,25,34,36,38/04	74184	10	34/03;8,11,46/04	75144	3	30,38/03;10,45/04
62570	4	30,35,37,43,50/03;1,5,9,11,12,15,18,23,26,31,35,40,44,46/04	71273	2	51/03;25/04	74186	7	30,36/03	75160	6	32/03
62572	1	50/03*;11/04	71275	3	33/03	74190	7	31,34,39/03	75170	12	38/03
62580	3	35/03;9,26,P44/04	71281	7	34/03	74191	2	29/03;5/04	75171	22	35,38,40,44/03;10,21/04
62584	2	7/04	71305	2	31/04	74192	3	40/03	75172	5	49/03
62590	2	30,37,43,50/03;1,11,12,15,18,23,26,31,35,40,46/04	71320	1	33,38/03	74200	8	32,40/03	75173	9	35,38,40/03
62591	3	N30,N37,N43,N50/03;N1,N11,N12,N15,N18,N23,N26,N31,N35,N40,N46/04	71330	13	33,38/03	74201	9	32/03;11/04	75176	9	32,40,44/03;21/04
63000	13	40/03;23,40/04	71333	2	33/03	74202	5	32,40,46/03;11/04	75177	7	38/03
63010	14	44/03	71335	2	38/03;45/04	74205	2	32,35/03;1/04	75180	2	38/03
			71340	11	33/03	74206	3	32*,36/04	75182	2	36/03
			71402	1	33/03	74210	7	37,46/03	75190	2	36/03;22/04
			71440	2	11,14/04	74220	8	30,37,46,50/03;11,15,25/04	75191	6	30,34,36,38/03
			71460	1	36/04	74221	2	30,38/03	75193	6	35/03
			72000	8	25/04	74229	2	50/03;21,24/04	75207	2	33,37,43,49/03
			72007	10	50/03;9/04	74230	7	36,46,50/03;12,15,25/04	75208	2	30,33/03;22,45/04
			72014	10	9/04	74232	9	36,50/03;10,24,25/04	75213	2	33,38/03
			72021	8	50/03;9/04	74240	8	41,46/03;13,25/04	75215	2	33,38/03
			72035	8	9/04	74251	8	15/04	75220	12	39/03;8,42/04
			72045	2	9/04	74252	9	10/04	75222	8	1,37/04
			72070	4	25/04	74253	6	30/03;10,13,15/04	75240	4	39/03;8/04
			72085	3	50/03;9/04	74261	9	30,39/03;21/04	75241	6	35/03
			72094	2	25/04	74265	2	30/03;10,13,15,35/04	75251	5	37,40/03;13,19/04

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NM 29/03 THROUGH NM 46/04

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
75261	6	31,38/03;1,13,19/04	92150	3	43/03	94290	2	31/03;7/04	96000	5	17,20,32/04
75262	6	1/04	92160	3	43/03	94322	14	47/03;6/04	96004	14	16,25,32/04
75263	9	31/03;1,46/04	92170	3	43/03	94360	6	2,8,12,16,17,30/04	96012	16	32,34,45/04
75264	17	32/03;1/04	92350	4	30,36/04	94361	13	2,8/04	96016	7	51/03;46/04
75265	2	31,32,38,40/03	92356	2	30,36/04	94363	4	29/03;15,17,21,30/04	96028	5	51/03;20/04
76015	1	45,52/03;3,P44/04	92410	3	42/03	94380	4	N18/04	96032	3	34,51/03;20/04
76030	9	52/03;3,P44/04	92450	3	42/03	94420	3	42,44,47/03;2,12,16/04	96036	2	36/03;15/04
76040	8	47/03;P44/04	92500	1	36/04	94421	10	12/04	96039	7	44/03;8,15/04
76041	2	P44/04	93006	2	43,44,48/03;44/04	94423	12	12/04	96041	11	39,44,45/03;8,11,20/04
76050	8	52/03;P44/04	93010	6	32,34/04	94440	2	23/04	96042	11	39,40,44,45/03;8,11,20,26/04
76054	5	52/03	93025	5	45/03	95016	8	21,24,25,26,28,29,36/04	96043	8	11/04
76056	3	37/03;P44/04	93030	6	42/04	95040	8	27/04	96044	10	38,51/03;2,7,20/04
76060	7	52/03	93036	10	43/04	95041	7	50/03	96080	6	25/04
76061	3	52/03	93046	1	42/04	95043	2	27/04	96100	2	25/04
76070	9	45,47,51/03;3,37/04	93047	2	42/04	95060	13	29,31,33/03;16,17,19,21,34,38,40/04	96120	6	45/04
76071	9	42/04	93048	1	33/03;42/04	95065	5	31/03;34/04	96130	2	45/04
76080	8	47/03	93110	2	34/04	95066	11	31,32,33,37/03;6,17,21,34,38,40/04	96181	5	25,46/04
76081	7	37/03;37/04	93117	2	43/04	95067	13	37/03;17,20/04	96200	5	34,36/04
76083	3	37/03	93160	4	47/03;34/04	95068	1	29,37/03;34/04	96320	4	51/03;46/04
76120	6	45/03	93180	7	47/03	95080	13	30,31,32,48,52/03;16,17,19,20,21,34,38/04	96340	4	45,51/03
76121	8	47/03	93220	6	47/03	95082	9	30,52/03;14,19,21/04	96381	2	50/03;46/04
76141	8	37,45,52/03	93240	11	47/03;32,34/04	95085	4	33/03	96382	2	46/04
76142	1	37,45/03	93241	9	32/04	95086	5	31,33/03	96440	3	11/04
76146	1	45/03	93245	6	32,40/04	95087	3	30,31/03;1/04	96441	1	50/03;20/04
76160	4	42/04	93247	5	45/04*	95088	5	31,33/03	96480	3	51/03;11/04
76161	10	47/03;29,42/04	93248	1	39/04*	95089	3	30,31/03;1/04	96500	6	39/03;8,25/04
76170	7	52/03;42/04	93260	8	47/03;32/04	95100	12	29,31,37/03;4,17,20,21,35,38,44/04	96520	7	8,20/04
76180	1	3/04	93261	5	47/03;32/04	95101	8	31/03;17,20/04	96540	5	11/04
81001	1	36/04	93620	4	26/04	95102	8	1,35/04	96560	5	51/03
81004	3	37*,43/03;9,10,17,21/04	93626	9	26/04	95103	8	31/03;34/04	96620	3	38/03;11/04
81025	3	N38/04*	93650	2	49/03;2/04	95108	7	44/04	96621	5	38/03;11,44/04
81048	9	52/03*;8,9,17,21/04	93652	2	49/03;2/04	95120	7	44/04	96640	5	15/04
81054	14	52/03*;7/04	93680	3	18/04	95138	8	30,35,36/03;21/04	96645	1	15/04
81060	2	43/03;8,9,11,17,21/04	93688	3	N18/04	95140	15	29,33,35,37,51,52/03;4,16,17,19,20,21,24,34,35,39/04	96660	4	36/03
81063	5	47/03	93690	2	45/03	95141	8	29,37,51/03;4,20/04	96760	4	17/04
81067	6	46/03*;12,24/04	93698	3	6/04	95142	9	29/03	96762	4	50/03*;16/04
81071	6	24/04	93710	3	43,52/03	95143	11	30,36/03;21,34/04	96763	7	32,37,45/03;6,16,21,26,36/04
81076	10	41*,44/03;12/04	93720	10	42,43,44,48,49/03;43/04	95144	9	35,37/03;17/04	96764	3	34/03*
81092	3	32/03	93721	5	40,41,43,44,45,46,48,49,50,52/03;1,4,7,8,11,14,16,22/04	95146	14	31,32,35,37,48/03;20/04	96880	6	46/04
81711	6	31/03;1/04	93725	6	49/03	95147	13	29,31,32,35,36/03;20,21/04	96883	9	11/04
81715	4	31/03;1/04	93726	4	45,50/03	95149	9	30,32,35,52/03;16,20,34,39/04	96904	3	34/03*;44/04
82010	6	39/03;22/04	93730	3	31,41,42,43,46,47,48,49/03;13,14,16,17,23/04	95151	17	29,30,37/03;16,19,20,34/04	96910	1	46/04
82015	13	39/03;22/04	93733	13	40,41,44,45,47,48,52/03;1,4,8,14,16,23,25/04	95152	5	30,31,32,35/03;20,34/04	96937	2	36/04
82020	7	39/03;22/04	93734	12	51/03*;4,23/04	95153	2	32/03;19,44/04	96938	4	34,36/04
82095	2	12/04	93736	24	11*,16,22,31/04	95160	13	33,36,40/03;1,14,16,17,19,20,24,28,38/04	96941	8	47/03;9,16,32,36/04
82105	2	12/04	94004	6	42/03;6,15,24,44/04	95161	16	30,37/03;20/04	96942	9	9/04
82192	6	43/03	94016	2	33,47/03;26,30,34,44/04	95162	2	30,35/03;20,34,37/04	96943	15	33,42/03;19,23,26,36/04
82200	2	41/03;12/04	94017	7	31,33,40,51,52/03;1,4,16,17,19,20,21,28,30,38,39,44/04	95169	2	34/04	96944	6	17,45/04
82201	2	12/04	94033	5	29,42,44/03;2,12,16,19,23,38,40/04	95171	1	37/03;35/04	96945	3	42/03;16,19,34,36/04
82215	2	41/03	94040	13	31,43,51/03;13,18,44/04	95172	1	32/03;35/04	96947	15	23,25,27,39/04
82244	5	39/03	94042	9	43,45/03;4,8,13,16/04	95176	2	30,35/03	96948	8	30,39/04
82253	7	39/03;15/04	94060	10	31,42/03;11,13,18,44/04	95180	11	34,35,37/04	96960	3	47/03;16,32,34,36/04
82280	8	N39/03;N22/04	94061	5	41,42,52/03;11,13,18/04	95185	2	35/03;37/04	96962	4	33/03;23,26,39,46/04
82304	5	36/04	94067	10	44/04	95230	3	29/04	97000	3	40/03
82571	6	14/04	94080	7	32,51/03;15,17,23,24,44/04	95243	4	15/04	97005	9	47/03;17,27,32/04
83025	1	45/03	94082	8	51/03;15,23/04	95250	4	36/03;19,26,31,36,38,42,44/04	97015	10	16,17,31,32,41/04
83034	1	23/04	94083	12	15,24/04	95255	2	31/04	97021	7	40/03;16,17,19,20,21,25,28,31,32,34,41/04
83039	11	23/04	94120	6	15,23,43/04	95261	7	36,47/03;14,21,26,31,36,41/04	97026	10	23,30,34/04
83425	6	3/04	94122	7	35/03	95262	13	36/03	97029	3	40/03;16,32,34,36,40,41/04
83473	7	37/03	94123	9	23,24,37/04	95264	8	41/04	97040	5	23,24/04
83484	10	42/03;24/04	94124	13	23,24,37/04	95267	6	15/04*	97041	9	39/04
83500	1	23/04	94160	7	31,41,42/03;6,13,16,17,44/04	95268	16	30,33,39/04	97042	7	27/04
83567	3	43/04	94165	2	41,42,43/03;17/04	95270	5	21/04*	97060	8	27/04
83570	2	34/04	94166	4	43/03;13,18/04	95271	4	36/03;30,33,41/04	97061	4	21/04*
83572	1	34/04	94180	9	44/03;6,16,17,18/04	95272	3	30,33,41/04	97062	12	34,35/03;10,27,32/04
83574	2	35/04	94187	3	36,45,46/03;12,18/04	95273	2	12,36,41/04	97063	2	48/03*
83580	2	45/03;23,34/04	94203	10	41,42/03	95274	4	15*,25,36,41/04	97064	2	33,45/03;44/04
83590	1	45/03	94206	3	44/03;18/04	95276	4	1*,26/04	97065	2	48/03*
83637	4	37,38/04	94216	6	42,44,47/03;1,5/04	95280	10	21*,34/04	97080	6	21*,24/04
91005	6	42/03;36/04	94217	4	2,5/04	95281	15	36,45/03	97082	5	34/03;10,39/04
91008	1	44/04	94218	3	2,5,17/04	95282	7	12,19,40/04	97083	3	29,34,35/03;27,36/04
91010	6	44/04	94219	1	46/03;6/04	95285	3	12,34/04	97100	4	49/03;16,17,24,31,32/04
91020	5	46/03;37/04	94220	4	33,42,44,47/03;5,18/04	95300	6	21*,22,26,30,34,42/04	97101	2	50/03*
91025	8	46/03	94260	5	31/03	95320	15	33,40/03;10,13,14,26,28,38/04	97104	4	41/03
91030	3	42/03	94281	5	32/03	95341	8	40,44/03;10,13,14,31,38/04	97105	3	41/03;17,24/04
91175	2	6/04	94282	9	7,13/04	95342	16	10,13,39/04	97108	4	50/03*
91220	3	30/04	94283	7	32/03;7,13,14/04				97120	6	40,44,45,49/03;31,32,41/04
91280	7	43,46/03;37/04							97140	17	40,44,45,46,49,52/03;31,32,34,36,41/04
91289	19	43/03							97141	5	6/04
91300	3	46/03							97143	12	21*,33,38/04
91331	3	42/03							97144	14	39,44,49/03;6,33/04
91340	3	42/03									
92006	5	10,36,42,43/04									
92020	2	36/04									
92025	3	42/03									
92030	4	42/03;30,36/04									
92033	5	36/04									

SECTION I

NM 46/04

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 29/03 THROUGH NM 46/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97145	1	40,45,47/03;31,32,36,41/04	97300	6	6,22,27,31/04
97146	10	39/03;39/04	97303	3	45/03
97148	9	40/04	97304	1	22/04
97149	20	12,33,42,44/04	97320	6	46/03;6,14,21,22,34,38/04
97150	13	42,49/03	97340	8	36,46,47/03;9,14,24,34/04
97151	16	49/03;38/04	97341	9	47/03
97152	9	1*/6/04	97342	14	43/03;24/04
97153	8	52/03*;30/04	97343	12	9/04
97155	14	10,12,20/04	97345	2	50/03
97157	2	40/03*;1,38/04	97360	6	43,45,47/03;30,34/04
97158	5	50/03*	97380	7	38,40,45/03;17,23,39/04
97159	6	44,46,52/03;34,36,46/04	97381	7	43,45/03
97163	14	36/03;11,46/04	97382	2	42/03;42/04
97164	1	52/03;46/04	97383	16	42,46,47/03;22,25,33,41/04
97165	1	52/03	97385	10	46,47/03;22,33,39,40,41/04
97166	1	46/03	97387	2	42,46/03;10,25,33,39,42/04
97167	2	23/04	97389	2	45*/47/03
97180	6	44/03;19,32,34,39/04	97390	5	36/03;7,22/04
97181	20	35,44,46/03;1,7,19,39/04	97392	5	33,38/03;33/04
97182	13	35,46/03;1,9,21,26,28,36,39/04	97396	14	33,38/03;2,39/04
97183	9	43,44/03	97397	7	44,49/03;43/04
97184	15	39,44/03;41,42/04	97398	4	43/03*;27,40/04
97185	2	46/03	97400	4	34*,44,49/03
97187	3	2,16/04	97409	5	40/04
97188	3	50/03*;7,9/04	97410	9	50/03*;2,39/04
97189	2	39,43/03;41,42/04	97412	7	47/03
97190	2	19,31/04	97420	17	33,38,40,45/03;1,13,14,17,23,24,28,38,39/04
97200	9	29/03;17,23,27,31,40,44/04	97421	13	36/03
97202	15	30,33/04	97423	2	36/03;10,17/04
97204	9	33,43,45,47/03;13,25/04	97425	6	45/03;1,2,23,28,38,39/04
97206	3	50/03*;13/04	97440	8	43,47/03;9,30,34/04
97218	3	33/03	97441	5	47/03;14/04
97219	4	47/03;13,27/04	97443	6	47/03
97220	3	29,33,46,49/03;6,18/04	97460	7	47/03;9,23,26,34/04
97221	20	29,33,46/03;6,7,11,13,17,18,24,27,33/04	97461	9	9,26,34/04
97222	12	29/03;11,17,24,27/04	97465	9	33,37/03;6,12,26/04
97223	3	46/03;21,42/04	97469	10	33,37/03;6,12,30,40/04
97224	6	45/03;11/04	97471	5	N33/03;N6,N10,N12,N40/04
97225	32	21*,27/04	97472	8	33/03
97226	7	41/03;6,22/04	97474	7	26/04
97227	11	30,34/03	97480	7	15,23,40/04
97228	15	29,35,49,52/03;7,34/04	97481	6	40/04
97229	12	33/03;18,30,39/04	97483	7	11,44/04
97230	18	33/03	97501	2	21*,23/04
97231	11	33/03	97521	6	36,40/04
97232	9	7*,23/04	800669	8	N1,N16,N34,N45/04
97233	12	15*,17/04	800744	1	N36,N47,N50/03;N10,N30/04
97234	17	41/03;7,22,24,33/04	801217	1	N33,N37/03;N6,N12,N26,N44/04
97235	2	52/03*	801885	3	N34/03
97236	20	35,41/03;13,22,34/04	801902	9	N31/03;N14,N29/04
97237	6	41/03	801926	1	N44/04
97238	11	12/04	801953	1	N39,N52/03
97241	6	1,23,27,30,36/04	802202	8	N40/04
97243	8	33/03;14,22,40/04	802260	5	N1,N23,N34/04
97245	11	29/03	803404	2	N8/04
97246	7	13,25/04	804059	2	N43/03
97251	4	36,52/03	804567	4	N31/03;N9,N32/04
97261	15	44/03;1,13,22,23,24,27,31,43,46/04	805118	3	N36/03;N12,N24/04
97262	10	33,46/03;2,13,14,22,31,36,43/04	805647	2	N30/03;N8,N13/04
97263	10	46/03;2,14,31,36/04	805980	4	N23/04
97266	5	42/03;1,2,7,23,27,31,32,43/04	806927	8	N30,N39/03;N29/04
97267	16	42/03;7,9,13,32/04	807370	5	N30,N31,N39/03;N14,N29/04
97268	10	24/04	809055	7	N25,N26,N31/04
97269	11	7,32/04	809679	2	N36/04
97270	6	7,13/04			
97271	12	35,41,44/03;9,17,24,31/04			
97272	11	37,47/03;1,9,13,19,31,33/04			
97273	11	34*,52/03;1,9,33,38/04			
97274	19	37,47,52/03;7,9,21,38/04			
97275	3	52/03*			
97276	2	50/03*			
97277	12	21*,24,33,43/04			
97278	12	14*,42/04			
97280	4	31,44/04			
97281	3	50/03*			
97285	6	36/03;7,21/04			
97286	6	35,36,38/03;26,38,43/04			
97287	5	43/04			

SECTION II

NM 46/04

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
	REGION 1						
17XHA17433 (7642014011458)	<u>South End of Prince of Wales Island-Kendrick Bay to Shipwreck Point</u>	40,000	<u>11</u>	<u>5/04</u>	NOS	1-74,98	46/04
	MISCELLANEOUS CHARTS AND PUBLICATIONS						
DNCDX004 (7644014482124)	Western Australia		<u>8</u>	<u>4/04</u>	DS	10-43	46/04
DNCDX006 (7644014482131)	South Pacific Ocean		<u>6</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX007 (7644014578371)	South America		<u>16</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX012 (7644014474190)	Japan/North Pacific		<u>16</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX013 (7644014414461)	North America West		<u>16</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX014 (7644014337948)	Central America/Caribbean Sea		<u>23</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX015 (7644014337963)	Gulf of Mexico/Straits of Florida		<u>25</u>	<u>4/04</u>	DS	10-43	46/04
DNCDX016 (7644014337966)	Bahamas/Bermuda		<u>19</u>	<u>2/04</u>	DS	10-43	46/04
DNCDX018 (7644014562137)	Northeastern United States/Canada		<u>17</u>	<u>9/04</u>	DS	10-43	46/04
DNCDX019 (7644014562140)	Greenland/Iceland/United Kingdom		<u>8</u>	<u>9/04</u>	DS	10-43	46/04
DNCDX020 (7644014615837)	United Kingdom		<u>4</u>	<u>9/04</u>	DS	10-43	46/04
DNCDX021 (7644014624539)	Norway		<u>5</u>	<u>8/04</u>	DS	10-43	46/04
DNCDX022 (7644014609963)	Barents Sea		<u>6</u>	<u>9/04</u>	DS	10-43	46/04
DNCDX024 (7644014482139)	Sea of Okhotsk		<u>5</u>	<u>7/04</u>	DS	10-43	46/04
DNCDX027 (7644014482142)	Arctic Ocean		<u>8</u>	<u>4/04</u>	DS	10-43	46/04
DNCDX028 (7644014656924)	Canada		<u>7</u>	<u>9/04</u>	DS	10-43	46/04
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>32</u>	<u>9/04</u>	DS	10-43	46/04
LLPUB113 (7642014007535)	<u>The West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), 2004</u>				GPO	10-22	46/04

Price Categories effective 1 October 2004

A	18.75	E	9.50	G	5.00	R	3.00
D	11.25	F	9.50	H	3.00		

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**SECTION II
NAVIGATION PUBLICATIONS**

NM 46/04

NGA LIST OF LIGHTS CORRECTIONS

PUB 113 Ed 2004 NEW EDITION
(NGA) 46/04

depth was 4.0 feet (4.8 feet at midchannel).
(CL 1297/04) 46/04

SAILING DIRECTIONS CORRECTIONS

PUB 195 7 Ed 2002 LAST NM 45/04
Page 73—Line 52/L; read:
assisted by a tug.

Page 484—Paragraph 13, line 1; read:
Sabine Pass East Jetty Light (29°38'41"N., ...
(37/04 CG8; LL/04) 46/04

Caution.—Several log ponds are situated adjacent to the shore in the vicinity of Vivstavarv.
(BA NP 20) 46/04

Page 555—Paragraph 171, lines 3 to 7; read:
George Island. The fixed span over the waterway has an authorized clearance of 65 feet. The fixed span over the auxiliary channel 0.8 mile S of Cat Point has clearance of 25 ...
(CL 650/04) 46/04

COAST PILOT CORRECTIONS

COAST PILOT 5 32 Ed 2004 Change No. 13
LAST NM 41/04

Page 98—Paragraph 1066, lines 1 to 2; read:
(c) The draw of the State Route LA 654 bridge, mile 53.2 at Clotilda, shall open at least four hours notice ...
(CL 1391/04; FR 09/16/04) 46/04

Page 558—Paragraph 210, line 12; read:
by private daybeacons and, in July 2004, the reported ...
(DB 6621) 46/04

Page 337—Paragraph 260, lines 9 to 12; read:
a clearance of 20 feet. The Sunshine Skyway ...
(CL 671/04) 46/04

Page 563—Paragraph 293, line 9; read:
drawbridge regulations.) In 2000, the bayou had a controlling ...
(NOS 11370) 46/04

Page 390—Paragraph 196, line 10; read:
fixed span with a clearance of 80 feet.
(CL 423/04) 46/04

COAST PILOT 5 32 Ed 2004 Change No. 14

Page 530—Paragraph 156, line 1; read:
The Captain of the Port (COTP) Corpus Christi ...
(CL 1384/04) 46/04

Page 393—Paragraph 225, lines 13 to 15; read:
clearance of 13 feet. Overhead ...
(CL 573/04) 46/04

Page 532—Paragraph 182, line 6; read:
(telephone 361-882-1773), through ship's agents, or by radiotelephone ...
(CL 1384/04) 46/04

Page 393—Paragraph 236, line 6; read:
April 2004, the controlling depth was 7.8 feet (9.1 feet ...
(CL 726/04) 46/04

Page 533—Paragraph 205, line 4; read:
33 feet alongside; deck height, 15 feet; 122,000 ...
(CL 1384/04) 46/04

Page 397—Paragraph 279, line 1; read:
Chandeaur Light (30°02'50"N., 88°52'40"W.), 65 ...
(18/04 CG8; LL/04) 46/04

Page 533—Paragraph 205, lines 7 to 8; read:
and domestic trade; owned and operated by the Port of Corpus Christi Authority.
Port of Corpus Christi Roll On/Roll Off Ramp: 300 yards W of Corpus Christi Harbor Bridge, between Cargo Dock Nos. 9 and 10; 60-foot face; 35 feet alongside; deck height, 6½ feet; 7 acres paved open storage; owned and operated by the Port of Corpus Christi Authority.
(CL 1384/04; PS 25/03) 46/04

Page 400—Paragraph 321, line 6; read:
barges. The channel is marked by lights and daybeacons.
(31/04 CG8; LL/04) 46/04

Page 533—Paragraph 206, lines 3 to 4; read:
berthing space; 35 feet alongside; deck height, 15 feet; 99,520 square feet (9,246 square meters) covered storage; receipt and shipment ...
(CL 1384/04) 46/04

Page 401—Paragraph 330, lines 4 to 5; read:
for 1.6 miles to the mouth of the river. In July 2004, the controlling depth was 2.2 feet (2.6 feet at midchannel). The ...
(CL 1297/04) 46/04

Page 401—Paragraph 334, lines 3 to 4; read:
miles to the mouth of the river. In July 2004, the controlling

COAST PILOT 5 (Continued)

Page 533—Paragraph 207, line 3; read:
berthing space with shore moorings; 40 feet ...
(CL 1384/04) 46/04

Page 533—Paragraph 209, lines 3 to 4; read:
berthing space with shore moorings; 22 feet alongside; deck
height, 12 feet; 2 acres open storage; mooring ...
(CL 1384/04) 46/04

Page 533—Paragraph 211, line 3; read:
320-foot face; 320 feet of berthing space; 27 feet alongside;
...
(CL 1384/04) 46/04

Page 533—Paragraph 212, lines 2 to 4; read:
Solmon P. Oritz International Center, Dock No. 2
(27°48'44"N., 97°23'51"W.): 336-foot face; 336 feet of ber-
thing space; 28 feet alongside; deck height, 15 feet; mooring
...
(CL 1384/04) 46/04

Page 533—Paragraph 213, lines 3 to 5; read:
berthing space with mooring structure; 42 feet alongside;
deck height, 15 feet; 163,053 square feet open wharf area;
cranes to 500 tons; receipt and shipment ...
(CL 1384/04) 46/04

Page 533—Paragraph 214, line 3; read:
938 feet at berthing space; 32 to 33 feet alongside; deck ...
(CL 1384/04) 46/04

Page 534—Paragraph 218, line 3; read:
with dolphins; 42 feet alongside; deck height, 13 feet; 1,000
feet of mooring space with shore moorings; ...
(CL 1384/84) 46/04

Page 534—Paragraph 223, line 7; read:
Refining & Chemicals, Inc.

Port of Corpus Christi Authority, Oil Dock No. 3
(27°49'13"N., 97°25'55"W.): 142-foot face head of slip, 142
feet of berthing space; 81-foot face lower side, 247 feet of
berthing space with dolphins; 14 to 17 feet alongside; deck
height, 9.5 feet; receipt of crude oil; receipt and shipment of
petroleum products and petrochemicals; loading bunkering
barges; and mooring tugs and barges; owned by the Port of
Corpus Christi Authority and operated by various compa-
nies.

S side of Tule Lake Channel:

Citgo Refining & Chemicals, Corpus Christi Refinery,
Ship Dock No. 3 (27°49'30"N., 97°29'31"W.): 62-foot face,
1,000 feet of berthing space with shore moorings; 48 feet
alongside; deck height, 22 feet; receipt of crude oil and
asphalt by tanker and barge; owned and operated by Citgo
Refining & Chemicals, Inc.
(CL 1384/04; PS 25/03) 46/04

Page 534—Paragraph 235, line 3; read:
berthing space with shore moorings; 45 feet alongside; ...
(CL 1384/04) 46/04

Page 535—Paragraph 236, line 3; read:
berthing space; 25 feet alongside; deck height, 9.5 ...
(CL 1384/04) 46/04

Page 535—Paragraph 242, lines 1 to 2; read:
Three trunk railroads, Union Pacific, Burlington Northern-
Santa Fe and Texas-Mexican, serve the port. Numerous ...
(CL 1384/04) 46/04

**COAST PILOT 8 26 Ed 2004 Change No. 6
LAST NM 41/04**

Page 190—Paragraph 473, lines 18 to 19; read:
had near the head of the bay in 10 to 13 fathoms (18.3 to
23.8 m), mud and sand bottom, with swinging room ...
(H 11050; BP 183414) 46/04

Page 334—Paragraph 113, line 7; read:
E. A lighted buoy, about 0.5 mile NNW from the ...
(LL/04) 46/04

Page 349—Paragraph 55, lines 3 to 6; read:
found in the bay, in 17 to 22 fathoms, soft bottom. Caution is
advised during periods of reduced visibility.
(H 11107; BP 183948) 46/04

Page 372—Paragraph 103, line 1; read:
Icy Passage Light 2 (58°23'11"N., 135°37'43"W.), ...
(40/04 CG17) 46/04

Page 380—Paragraph 207, line 4; read:
Frederick Light 3 (58°07'56"N., 135°27'55"W.), 26 feet
(7.9m) ...
(40/04 CG17) 46/04

**COAST PILOT 9 22 Ed 2004 Change No. 6
LAST NM 43/04**

Page 126—Paragraph 59, lines 5 to 6; read:
tide, are about 0.2 mile N of the shoal. A lighted buoy,
(59°33'26"N., 139°45'51"W.), is about 100 yards SE of the
shoal.
(31/04 CG17) 46/04

Page 128—Paragraph 89, line 2; read:
joins **Disenchantment Bay**. Depths of 105 to 128 fathoms ...
(H 10902) 46/04

Page 128—Paragraph 89, line 8; read:
partially protected anchorage in 35 fathoms can be found ...
(H 10902) 46/04

Page 128—Paragraph 94, lines 3 to 6; read:
observed to lag up to two hours after slack.
(H 10902) 46/04

COAST PILOT 9 (Continued)

Page 133—Paragraph 175, lines 1 to 4; read:

Orca Inlet NE to Cordova from Mummy Island is filled largely with flats. The channel from Mummy Island to Cordova is marked by seasonal buoys from May to October. In June 1983, 1 ¼ fathoms could be carried ...

(40/04 CG17)

46/04

miles SW of the light.
(H 10929)

46/04

Page 172—Paragraph 609, lines 5 to 8; read:

three prominent bare rocks, close together and about 12 feet high, is 3 miles SSE of Point Eleanor in 60°31'57"N., 147°32'30"W. Between them and Eleanor Island is broken ground with depths of 3½ to 7 fathoms. A bare rock about 5 feet high is ...

(H 10840; BP 170762)

46/04

Page 174—Paragraph 636, line 3 to Paragraph 638; read:

with E winds. Shoals to 2 fathoms extend about 0.5 mile from the S shore into the entrance to the bay and shoals to 4½ fathoms extend about 0.5 mile from the N shore into the entrance of the bay. A dangerous submerged wreck (59°57'54"N., 147°42'11"W.) with a least depth of 2 fathoms is in the center of the bay. The best anchorage in S winds is about 1.0 mile from the S shore of the bay, with Danger Island bearing **256°** and **Point Bazil**, the N entrance point, bearing approximately N, in about 14 fathoms. Care should be taken to avoid the dangerous submerged wreck.

(H 11006)

46/04

Page 174—Paragraph 640, line 4; read:

baring at various stages of the tide, extends 1.1 miles SW off ...

(H 10940)

46/04

Page 174—Paragraph 641, line 8; read:

26 feet high, is 1.2 miles NW of Putnam Point. The W ...

(H 10927; BP 174413)

46/04

Page 175—Paragraphs 642 to 644; read:

Gibbon Anchorage is a secure harbor for craft up to 500 tons in the cove about the middle of the NW side of Green Island. Pass 0.3 mile S of the outlying prominent 26-foot-high rock; avoid a ½ fathom shoal about 0.6 mile SW of the rock in 60°16'53"N., 147°28'49"W. Steer SE for **Putnam Point**, the prominent wooded point with a small bluff on the SW side of the cove. A 9-foot high rock in 60°16'55"N., 147°27'10"W, is 0.6 mile SE from the 26-foot-high rock. When about 0.2 mile from shore, steer more E and pass midway between Putnam Point and the islet, 0.2 mile N of the point. Anchor in the cove SE of the islet in about 3 fathoms. A 1½ fathom shoal is in the center of the cove in 60°16'29"N., 147°26'04"W.

(H 10927; H 10928)

46/04

Page 176—Paragraph 657, lines 9 to 13; read:

the vicinity of the reef. Foul ground extends to about 2.8

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3785	- <i>Lighted Buoy 8</i>		FIR 2.5s			Red.	
	*		*			*	46/04
*4173	- <i>Bypass Lighted Buoy 4</i>		FIR 2.5s			Red.	46/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
615 27965	- JETTY LIGHT	35 46 26 N 75 31 30 W	Iso W 6s	28	7	NB on pile.	
		*					46/04
805 30260	<i>Carolina Beach Inlet Entrance Lighted Whistle Buoy CB</i>	34 04 44 N 77 51 13 W	Mo (A) W		5	Red and white stripes with red spherical topmark.	
		*	*				46/04
12620	- <i>Channel Lighted Buoy 126</i>	37 20 32 N 77 15 59 W	FIR 4s		3	Red.	
		*					46/04
12630	- <i>Channel Lighted Buoy 128 300 feet outside channel limit.</i>	37 20 41 N 77 15 58 W	FIR 4s		3	Red.	
	*	*					46/04
16265	Buzzards Point Daybeacon 1						<i>Remove from list.</i>
							* 46/04

***Delete Note:**

CURRITUCK BEACH LIGHT TO WIMBLE SHOALS (Chart 12204)

Oregon Inlet

**Due to frequently changing conditions, positions of aids are not listed.*

27965 615	- JETTY LIGHT	35 46 26 N 75 31 30 W	Iso W 6s	28	7	NB on pile.	
		*					46/04
*30140.08	- Buoy 8					Red nun.	46/04
*30140.11	- Buoy 11					Green can.	46/04

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9402	- Sanford Cut Daybeacon 9					SG on pile.	
	*						46/04
21445.5	- Buoy 3A						<i>Remove from list.</i>
							* 46/04
Big Sarasota Pass							
21465	- Shoal Daybeacon A	27 15 58 N 82 33 53 W				NW on pile worded DANGER SHOAL.	Private aid.
							* 46/04
21473	- Shoal Daybeacon B	27 16 21 N 82 34 14 W				NW on pile worded DANGER SHOAL.	Private aid.
							* 46/04
23375	- Daybeacon 6						<i>Remove from list.</i>
							* 46/04
23380	- Daybeacon 7						<i>Remove from list.</i>
							* 46/04
23385	- Daybeacon 9						<i>Remove from list.</i>
							* 46/04
23390	- Daybeacon 10					TR on dolphin.	46/04
							46/04
23395	- Daybeacon 11						<i>Remove from list.</i>
							* 46/04
33875	- LIGHT 47		FIG 4s	16	4	SG-SY on pile.	*
							46/04
34490	- LIGHT 111		FIG 4s	16	4	SG-SY on pile.	*
							46/04
34980	- LIGHT 119	32 37 24 N 80 17 48 W	FIG 4s	16	4	SG-SY on pile.	*
							46/04
35195.3	- Daybeacon 180	32 31 02 N 80 29 28 W				TR on pile.	*
	*	*					46/04
39690	- Daybeacon 6					TR-TY on pile.	46/04
	*						46/04
39690.5	- Daybeacon 6A						<i>Remove from list.</i>
							* 46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	*Add Heading: *Silver Lake						
39745	- Daybeacon 9					SG-SY on pile.	46/04
	*Add Heading: *Sim-Par Marina Channel						
39750	- Daybeacon 11					SG-SY on pile.	46/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
440 12560	South Pass West Jetty Range Front Light	28 59 26 N 89 08 25 W	F G	40		KRW on skeleton tower on piles.	Visible all around. Higher intensity on rangeline. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Continuously from Nov. 1 to Apr. 30.
		*					46/04
1271	<i>Pioneer-100-4 Lighted Buoy</i> Marks subsea installation.						<i>Remove from list.</i>
							* 46/04
5260	- LOWER REACH RANGE FRONT LIGHT	30 26 24 N 88 00 44 W	Q W Q W	28 26	5	KGR on skeleton tower on piles.	Visible all around; higher intensity 2° each side of range line.
				*	*		46/04
5300	Theodore Ship Channel Buoy 1A					Green can.	
	*						46/04
6205	- Theodore Ship Channel Buoy 1A					Green can.	
	*						46/04
6800	<i>Petit Bois Pass Lighted Buoy 7</i>						<i>Remove from list.</i>
							* 46/04
6930	- RANGE D FRONT LIGHT	30 12 58 N 88 30 15 W	Q W	27		KRW on skeleton tower on piles.	Visible 2° each side of range line.
		*					46/04
6935	- RANGE D REAR LIGHT 506 yards, 175° from front light.		Iso W 6s	60		KRW on skeleton tower.	Visible 2° each side of rangeline.
	*					*	46/04
8380	- SURVEY LIGHT						<i>Remove from list.</i>
							* 46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8485	MIDDLE REACH INBOUND RANGE FRONT LIGHT	30 15 59 N 89 00 26 W	Q W	25		KRW on skeleton tower on piles.	Visible 2° each side of range line. 46/04
		*					
12560 440	-South Pass West Jetty Range Front Light	28 59 26 N 89 08 25 W	F G	40		KRW on skeleton tower on piles.	Visible all around. Higher intensity on rangeline. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Continuously from Nov. 1 to Apr. 30. 46/04
		*					
12570	- LIGHT 5	28 59 38 N 89 08 31 W	FI G 2.5s	17	4	SG on piles.	 46/04
12920	PILOTTOWN RANGE A FRONT LIGHT	29 10 07 N 89 15 17 W	Q W	20		KRW on skeleton tower.	 46/04
		*	*			*	
12925	PILOTTOWN RANGE A REAR LIGHT 308 yards, 003° from front light.		Iso W 6s	41		KRW on skeleton tower.	 46/04
		*				*	
15937	- LIGHT 1						Remove from list. * 46/04
21901	- LIGHT 62A	29 56 09 N 93 52 04 W	FI R 4s	17	4	TR-SY on pile.	 46/04
		*					
28455 39037	- Daybeacon 45	25 57 54 N 97 21 42 W				SG-SY on pile.	Ra ref. 46/04
		*					
31025	Lighted Buoy 56	30 24 22 N 86 42 01 W	FI R 2.5s	17	4	Red with yellow triangle.	Ra ref. 46/04
		*			*	*	
*Delete Headings: *WAVELAND TO CATAHOULA BAY (Chart 11367) *Mississippi Sound *Grand Island Channel							
32965	- Buoy 11						Remove from list. * 46/04
*Add Headings: *WAVELAND TO CATAHOULA BAY (Chart 11367) *Mississippi Sound *Grand Island Channel							
32970	- LIGHT 9	30 10 47 N 89 21 54 W	FI G 4s	17	4	SG-SY on pile.	Ra ref. 46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
New Orleans - Port Arthur							
34017	- LIGHT 62A	29 56 09 N 93 52 42 W	F I R 4s	17	4	TR-SY on pile.	
	*	*					46/04
34865	- RANGE E FRONT LIGHT	29 16 57 N 94 53 42 W	Q G	15		KRW-I on pile structure; on same structure as Range D Front Light.	For eastbound traffic. Visible all around; higher intensity on rangeline.
		*					46/04

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
435	Little River Bell Buoy LR	39 15 57 N 123 48 02 W				Red and white stripes with red spherical topmark.	
		*					46/04
440	Mendocino Bay Whistle Buoy MB	39 17 52 N 122 48 44 W				Red and white stripes with red spherical topmark.	
		*					46/04
475	<i>Punta Gorda Lighted Whistle Buoy 24</i>	40 14 54 N 124 22 13 W	F I R 6s		4	Red.	
		*					46/04
500	<i>NOAA Environmental Lighted Buoy 46022</i>	40 46 53 N 124 32 30 W	F I (4) Y 20s		6	Yellow disk-shaped buoy.	
		*					46/04
APPROACHES TO STRAIT OF JUAN DE FUCA (Chart 18480)							
740 16075	<i>Quillayute River Approach Lighted Whistle Buoy Q</i>	47 53 24 N 124 39 57 W	Mo (A) W		5	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.
		*					46/04
4820	<i>San Francisco Bay Preferred Channel Lighted Buoy SC</i>	37 46 32 N 122 21 57 W	F I G (2+1)		5	Green and red bands.	
						*	46/04
8025	- Outside Bar Gong Buoy TB	38 14 35 N 122 59 16 W				Red and white stripes with red spherical topmark.	
		*					46/04
10440	- MILL WATER INTAKE LIGHT	46 09 09 N 123 23 50 W	F Y	25		On dolphin.	Private aid.
		*	*				46/04
10445	- LOWER LIGHT	46 09 42 N 123 24 30 W	F Y	29		On pier.	Private aid.
			*				46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10450	- CRANE BOOM LIGHT	46 09 47 N 123 24 34 W	F Y	55		On crane boom.	Private aid.
		*	*				46/04
10455	- MIDDLE LIGHT	46 07 17 N 123 24 03 W	F Y	11		On dolphin.	Private aid.
		*	*				46/04
APPROACHES TO STRAIT OF JUAN DE FUCA (Chart 18480)							
Quillayute River							
16075 740	- Approach Lighted Whistle Buoy Q	47 53 24 N 124 39 57 W	Mo (A) W		5	Red and white stripes.	No topmark will be shown on this aid as required by IALA standards due to weather.
		*					46/04
18888	HOPE ISLAND FISH PEN LIGHT (2)	48 24 24 N 122 33 36 W	FI Y 6s	5		On aquaculture facility.	Private aid.
	*						46/04
18889	HOPE ISLAND FISH PEN LIGHT C						<i>Remove from list.</i>
							* 46/04
18955	ANACORTES FERRY TERMINAL LIGHTS (2)	48 30 30 N 122 40 30 W	FI Y 10s	12		On dolphin.	Private aid.
	*						46/04
18956	ANACORTES FERRY TERMINAL LIGHT B						<i>Remove from list.</i>
							* 46/04
San Juan Channel							
19540	ICEBERG POINT LIGHT 2	48 25 19 N 122 53 39 W	FI R 4s	35	6	TR on white square concrete house.	HORN: 1 blast ev 30s (3s bl).
					*		46/04
23735.15	- Buoy 8A					Red nun.	
	*					*	46/04
23735.2	- Buoy 9A					Green can.	
	*					*	46/04
*23735.25	- Buoy 8B					Red nun.	
							46/04
23735.3	- Buoy 9B					Green can.	
	*						46/04
*23735.35	- Buoy 10					Red nun.	
							46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
23735.4	- Buoy 11					Green can.	
	*					*	46/04
*23735.45	- Buoy 10A					Red nun.	46/04
23735.5	- Buoy 11A					Green can.	
	*						46/04
*23735.55	- Buoy 10B					Red nun.	46/04
23735.6	- Buoy 11B					Green can.	
	*					*	46/04
*23735.65	- Buoy 12					Red nun.	46/04
23735.7	- Buoy 13					Green can.	
	*						46/04
*23735.75	- Buoy 12A					Red nun.	46/04
23735.8	- Buoy 13A					Green can.	
	*					*	46/04
25615.15	- South Channel Buoy 1A					Green can.	
	*						46/04
25615.2	- South Channel Buoy 2A					Red nun.	
	*					*	46/04
*25615.25	- South Channel Buoy 3					Green can.	46/04
25615.3	- South Channel Buoy 4					Red nun.	
	*						46/04
*25615.35	- South Channel Buoy 5					Green can.	46/04
25615.4	- South Channel Buoy 6					Red nun.	
	*					*	46/04
*25615.45	- South Channel Buoy 7					Green can.	46/04
25615.5	- South Channel Buoy 8					Red nun.	

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
	*						46/04
*25615.55	- South Channel Buoy 9					Green can.	46/04
25615.6	- South Channel Buoy 10					Red nun.	46/04
	*					*	46/04
*25615.65	- South Channel Buoy 11					Green can.	46/04
25615.7	- South Channel Buoy 12					Red nun.	46/04
	*						46/04
*25615.75	- South Channel Buoy 13					Green can.	46/04
25615.8	- South Channel Buoy 14					Red nun.	46/04
	*					*	46/04
*25615.85	- South Channel Buoy 16					Red nun.	46/04
25615.9	- South Channel Buoy 18					Red nun.	46/04
	*						46/04
*28006.2	<i>UH Research Lighted Buoy B</i>	22 46 00 N 157 53 54 W	FI Y 4s			Yellow.	Private aid. 46/04
28006.5	<i>NOAA Data Lighted Buoy PICO</i>	20 30 10 N 158 59 47 W	FI Y 3s			Yellow.	Private aid. 46/04
	*						46/04
28130	Cape Kumukahi Light	19 30 59 N 154 48 39 W	FI W 15s	156	24	White pyramidal skeleton tower. 115	Lighted throughout 24 hours. Obscured from 015° to 120°. Emergency light of reduced intensity when main light is extinguished. Operates during periods of darkness only. 46/04
						*	46/04
ISLAND OF HAWAII (Chart 19320)							
28180	KAILUA BAY ENTRANCE DIRECTIONAL LIGHT	19 38 19 N 155 59 49 W	Oc W 4s (R & G sectors)	31		NB on post. 25	Centerline (bearing 023°). White visible 3° each side of centerline. Green visible from (026°- 060°). Red visible from (310°- 020°). 46/04
							46/04
28225	- Buoy 1	19 58 32 N 155 50 01 W				Green spar.	Private aid. 46/04
							46/04

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28675.1	Mokapu Peninsula WECB Light F						<i>Remove from list.</i>
							* 46/04
30150	- Channel Articulated Beacon 16	16 44 30 N 169 31 01 W		16		TR on mast.	
		*					46/04
30460	Kwajalein-Bigej Junction Light N	08 44 19 N 167 43 45 E	Fl (2+1) G 6s	12	4	Green and red bands.	
	*						46/04
	Apra Harbor West Channel						
30810	Apra Harbor Western Shoal Buoy WS	13 39 14 N 144 39 14 E				Red and green bands; can.	
		*					46/04

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9702 <i>K 3286</i>	-Sugar Ran Reef.	9° 53.8' S 143° 13.1' E	FL.R. period 2.5s	33 10	6	PORT (A) R, beacon, topmark.	46/04
*				*			
*9706 <i>K 3287</i>	-Smith Cay.	9° 45.9' S 143° 19.1' E	Q.(9)W. period 15s	30 9	11	W. CARDINAL YBY, beacon, topmark; 23.	Radar reflector. 46/04
CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5672 <i>F 6251</i>	-Okitu, breakwater.						<i>Remove from list.</i> * 46/04
SUMMARY OF CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1914 <i>D 1526.2</i>	-Marina GETXO, breakwater, head.	43° 20.2' N 3° 01.0' W	Q.R.	16 5	1	Red column; 13.	44/04
2166 <i>D 1606.5</i>	-Pantalan, head.	43° 33.6' N 5° 41.8' W	FL.Y. period 3s fl. 0.5s, ec. 2.5s	33 10	1	SPECIAL Y, post, topmark; 13.	40/04
		*	*	*	*	*	
2187 <i>D 1598.5</i>	-Darsena de El Musel, elbow.	43° 33.3' N 5° 41.8' W	FL.R. period 3s fl. 0.5s, ec. 2.5s	26 8	1	Red post; 13.	FI.G. 3s 8m 1M marks corner 600 meters NE. * 40/04
RIA DE VIGO:							
2904 <i>D 1874</i>	-Punta Robaleira, Cabo del Home, N. entrance to bay.	42° 15.0' N 8° 52.4' W	Fl.(2)W.R. period 7.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5s	89 27	W. 11 R. 9	Red tower; 19.	W. 300°30'-321°30', R.-090°, obsc.-115°30', R.-170°30'.
	-RACON		C(- - -)				(3 & 10 cm) * 44/04
-Islas Cies:							
2916 <i>D 1882</i>	-Monte Agudo, on Isla Cies del Norte, E. side.	42° 14.6' N 8° 54.2' W	FI.G. period 5s fl. 0.5s, ec. 4.5s	82 25	10	Tower and white wall; 16.	Visible 146°30'-334°. * 45/04

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2920 <i>D 1884</i>	-Monte Faro.	42° 12.8' N 8° 54.9' W	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	614 187	22	Tower and cabin; 33.	Obscured 315°-016°30' over Bajos de los Castros and Forcados.
				*		*	* 45/04
2924 <i>D 1886</i>	-Punta Canabal, Isla Faro, S. end.	42° 12.7' N 8° 54.8' W	Fl.(3)W. period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s	213 65	10	White tower; 32.	
			*	*		*	* 45/04
2928 <i>D 1888</i>	-Cabo Vicos, Isla San Martin.	42° 11.5' N 8° 53.5' W	Fl.(3)R. period 9s	308 94	10	White tower; 23.	Visible 210°30'-108°.
				*			* 45/04
2932 <i>D 1889</i>	-Isla Boeiro.	42° 10.7' N 8° 54.6' W	Fl.(2)R. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	75 23	5	White truncated tower; 20.	
			*	*			* 45/04
2936 <i>D 1891</i>	-Punta Lameda, S. entrance point of bay, E. side.	42° 09.3' N 8° 50.8' W	Fl.(2)G. period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	95 29	5	White tower; 13.	
				*		*	* 45/04
2938 <i>D 1907</i>	-Las Serralleiras.	42° 08.8' N 8° 52.6' W	Fl.G. period 4s fl. 0.4s, ec. 3.6s	36 11	5	White truncated conical tower; 20.	
				*	*		* 45/04
2940 <i>D 1890</i>	-Cabo Estay Range, front.	42° 11.1' N 8° 48.9' W	Iso.W. period 2s	59 18	18	Red truncated pyramidal tower, white bands; 26.	Visible 066°18'-072°18'. Nauphone: Mo.(V) ev. 60s (bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 9s, si. 42s).
	-RACON		B(-•••)			*	* 45/04
2944 <i>D 1890.1</i>	-Rear, 660 meters 069°20' from front.	42° 11.2' N 8° 48.4' W	Oc.W. period 4s fl. 3s, ec. 1s	164 50	18	Red truncated pyramidal tower, white bands; 23.	Visible 066°18'-072°18'.
							* 45/04
2968 <i>D 1895.4</i>	-Inner mole, head.	42° 15.7' N 8° 46.9' W	Fl.(2+1)R. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 7.5s	7 2	1	Red lantern.	
						*	* 45/04
3000 <i>D 1901</i>	-Muelle de Transveral.	42° 14.6' N 8° 42.9' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	33 10	5	Green tower; 16.	Radar reflector.
					*		* 45/04

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3380 <i>D 2110</i>	Cabo Raso.	38° 42.6' N 9° 29.1' W	Fl.(3)W. period 9s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 4.2s	75 23	15	Red tower; 43.	Visible 324°-189°. Reserve light range 10M. Nauphone: 2 bl. ev. 60s (bl. 4s, si. 4s, bl. 4s, si. 48s).
			*		*	*	39/04
3392 <i>D 2121</i>	-Cascais, Praia de Ribeira.	38° 41.8' N 9° 25.1' W	Oc.R. period 4s lt. 3s, ec. 1s	23 7	6	White column, red bands; 15.	Visible 251°-309°.
				*		*	39/04
3396 <i>D 2122</i>	-Albatroz.	38° 41.9' N 9° 24.9' W	Oc.R. period 6s lt. 4s, ec. 2s	43 13	5	Lantern; 20.	
						*	39/04
3413 <i>D 2127.3</i>	-VTS Alges Pier, head.	38° 41.6' N 9° 14.0' W	Fl.(2)R. period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	23 7	7	White post, red bands; 7.	
				*			39/04
3413.3 <i>D 2127.31</i>	-MR Pier, head.	38° 41.7' N 9° 14.0' W	Fl.G. period 3s fl. 0.3s, ec. 2.7s	23 7	4	White post, green bands; 7.	
				*			39/04
3416 <i>D 2127.4</i>	-Doca de Pedroucos, W. mole, head.	38° 41.5' N 9° 13.5' W	Fl.R. period 6s fl. 0.5s, ec. 5.5s	43 13	2	Post; 23.	
						*	39/04
3420 <i>D 2127.6</i>	-E. mole, head.	38° 41.5' N 9° 13.4' W	F.G.	43 13	4	Post; 23.	
						*	39/04
3432 <i>D 2128</i>	-Portinho da Costa, NATO fuel pier, W. head.	38° 40.5' N 9° 13.3' W	F.G.	13 4	2	Mast.	
						*	40/04
3436 <i>D 2128.5</i>	-E. head.	38° 40.5' N 9° 13.2' W	F.G.	13 4	2	Mast.	
						*	40/04
3438 <i>D 2127.2</i>	-EPAC pier, W. side.	38° 40.6' N 9° 14.3' W	Q.W.	26 8	4	Post; 7.	
						*	40/04
3438.5 <i>D 2127.25</i>	-E. side.	38° 40.6' N 9° 14.1' W	Q.W.	26 8	4	Post; 7.	
						*	40/04
3440 <i>D 2130</i>	-Doca de Belem, entrance, W. side.	38° 41.6' N 9° 12.2' W	F.R.	36 11		Post; 23.	
						*	40/04

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3444 <i>D 2130.2</i>	-E. side.	38° 41.6' N 9° 12.1' W	F.G.	36 11		Post; 23.	
						*	40/04
3453 <i>D 2132</i>	-Doca da Marinha Entrance, W. side.	38° 42.5' N 9° 07.8' W	F.R.	36 11	2	Post; 23.	
						*	40/04
3453.5 <i>D 2132.2</i>	--E. side.	38° 42.5' N 9° 07.7' W	F.G.	36 11	2	Post; 23.	
						*	40/04
3454 <i>D 2132.4</i>	-Doco do Terreiro do Trigo Entrance, SW. side.	38° 42.7' N 9° 07.5' W	F.R.	36 11	2	Post; 23.	
						*	40/04
-Canal do Alfeite:							
3464 <i>D 2134.2</i>	--Entrance Range, front.	38° 39.9' N 9° 08.8' W	Oc.G. period 3s lt. 2s, ec. 1s	89 27	7	Tower, red bands; 13.	
			*	*		*	40/04
3468 <i>D 2134.21</i>	--Rear, 200 meters 223°24' from front.	38° 39.9' N 9° 09.0' W	Oc.G. period 6s lt. 4s, ec. 2s	135 41	7	White tower, red bands; 13.	
	*		*	*		*	40/04
3481 <i>D 2134.35</i>	--W. mole.	38° 40.5' N 9° 08.7' W	L.F.I.G. period 5s fl. 2s, ec. 3s	23 7	7	Tower, green and white bands; 10.	
				*			40/04
3488 <i>D 2135.8</i>	-Rio Coina, bridge, S. tower.	38° 39.0' N 9° 05.0' W	F.I.G. period 5s fl. 0.5s, ec. 4.5s	20 6	3	Green post; 10.	
				*		*	40/04
3496 <i>D 2136.1</i>	--Seca.	38° 38.8' N 9° 05.9' W	F.I.G. period 3s fl. 0.5s, ec. 2.5s	26 8	5	Green post; 16.	
				*		*	40/04
-Canal do Montijo:							
3504 <i>D 2136.25</i>	--Central Electric, jetty, head.	38° 40.8' N 9° 03.4' W	L.F.I.G. period 10.5s fl. 4s, ec. 6.5s			3 Green lantern on tower.	
						*	40/04
3548 <i>D 2152</i>	-Canal da Sapie Range, front, Algarve Exportador.	38° 31.1' N 8° 53.6' W	Oc.R. period 4s lt. 3s, ec. 1s	49 15	15		
	*				*	*	40/04

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3552 <i>D 2152.1</i>	-Annunciada, rear, 550 meters 295°12' from front.	38° 31.3' N 8° 54.1' W	Iso.R. period 4s	75 23	5		
						*	40/04
3564 <i>D 2151</i>	-Doca , entrance Range, front.	38° 31.2' N 8° 53.9' W	Iso.Y. period 6s	46 14	22	Tower, red and white bands, white lantern: 28.	
	*			*		*	40/04
4088 <i>D 2409</i>	-Digue de Poniente, head.	36° 10.8' N 5° 55.5' W	FL.R. period 4s fl. 0.5s, ec. 3.5s	39 12	5	Red truncated conical tower; 7.	
			*			*	44/04
4092 <i>D 2410</i>	-Contradique, head.	36° 11.0' N 5° 55.8' W	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	2	Green conical tower; 7.	
			*			*	44/04
4104 <i>D 2411</i>	Rio Barbate Range, front, 2 km. 113°30' from Barbate.						<i>Remove from list.</i>
							*
							44/04
4108 <i>D 2411.1</i>	-Rear, 70 meters 058°30' from front.						<i>Remove from list.</i>
							*
							44/04
4116 <i>D 2414</i>	Tarifa.	36° 00.1' N 5° 36.5' W	Fl.(3)W.R. period 10s	134 41	W. 26 R. 18	White tower; 107.	W. 113°-089°, R.-113°. Siren: 3 bl. ev. 60s (bl. 5s, si. 3s, bl. 5s, si. 3s, bl. 5s, si. 39s). DGPS Station.
	RACON		C(- - -)		20		(3 & 10cm)
					*		*
							44/04
4118 <i>D 2415</i>	-Lado E.	36° 00.3' N 5° 36.3' W	FL.R. period 5s fl. 0.5s, ec. 4.5s	39 12	3	Red tower; 7.	
			*			*	44/04
4120 <i>D 2418</i>	Puerto de Tarifa, No. "1" mole.	36° 00.6' N 5° 36.1' W	Fl.(2)R. period 7s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 5.5s	23 7	1	Red lantern on white hut; 13.	
	*		*			*	*
							44/04
4122 <i>D 2418.3</i>	-Inner spur, head.						<i>Remove from list.</i>
							*
							44/04
4124 <i>D 2416</i>	-E. mole, head.	36° 00.5' N 5° 36.1' W	FL.G. period 5s	36 11	5	Green truncated pyramidal support; 16.	Visible 249°-045°.
						*	*
							44/04

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* <i>E 0329.6</i>	5004 -Portals Vells, mole, head.	39° 28.5' N 2° 31.3' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	16 5	5	Green round tower, white square base, green triangular daymark, point up; 13.	42/04
* <i>E 0347.8</i>	5478 -El Grao buoy.	39° 05.6' N 0° 05.6' E	L.Fl.W. period 10s fl. 3s, ec. 7s		7	SAFE WATER RW, pillar, topmark; 16.	
	-RACON		K(- · -)		7		41/04
<i>E 0386.6</i>	5632 Cabo de Salou.	41° 03.4' N 1° 10.4' E	Fl.(4)W. period 20s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 3.1s fl. 0.2s, ec. 9.9s	141 43	23	White tower, red band, on white building; 36.	
					*		* 41/04
<i>E 0386.1</i>	*5634 Playa del la Pineda, S. pier, head.	41° 04.0' N 1° 11.0' E	Q.Y.	16 5	1	Yellow beacon; 9.	42/04
<i>E 0386.2</i>	5636 LANBY , "Tanker".	41° 04.1' N 1° 13.2' E	Fl.(4)Y. period 20s		5	Yellow LANBY, yellow topmark; 36.	
*					*		41/04
<i>E 0386.6</i>	5640 Playa de le Canonja, oil pier.	41° 05.0' N 1° 12.5' E	Fl.R. period 2.5s	36 11	7	Round post on red base; 10.	
					*		41/04
<i>E 0387</i>	5644 Oil pier, W. of Tarragona, on Platform "A".	41° 05.7' N 1° 12.9' E	Fl.(4)R. period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 5.2s	39 12	1	White round post; 13.	
			*	*	*		41/04
<i>E 0387.2</i>	5648 -Platform "C".	41° 05.9' N 1° 13.0' E	Fl.(2)R. period 6s fl. 1s, ec. 1.5s fl. 1s, ec. 2.5s	30 9	1	White round post on gray hut, red square; 3.	Fl.R. 5s 1M marks platform "B" 250 meters S.
			*		*		* 41/04
	TARRAGONA:						
<i>E 0388</i>	5652 -Dique de Levante.	41° 05.3' N 1° 13.6' E	Oc.W. period 3s lt. 2s, ec. 1s	89 27	1	Gray hexagonal tower above hut on pylons; 59.	F.R. lights on silo 550 meters ENE. and chimney 1.8 km. WNW.
					*	*	44/04
<i>E 0388.4</i>	5660 -Muelle de Aragon.	41° 06.0' N 1° 14.1' E	Fl.(4)G. period 11s	23 7	3	Green post; 13.	
						*	44/04

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5662 <i>E 0388.2</i>	-Muelle de Cataluna.	41° 05.7' N 1° 13.7' E	Fl.(3)G. period 9s	26 8	1	Green post; 13.	*
							44/04
5664 <i>E 0393</i>	-Contradique, E. corner.	41° 06.0' N 1° 13.7' E	Fl.R. period 5s fl. 1s, ec. 4s	23 7	3	Red and white checkered metal framework tower; 16.	* * *
			*				44/04
5665 <i>E 0393.2</i>	- -W. corner.	41° 06.0' N 1° 13.5' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	20 6	1	Red mast, green band; 10.	* *
			*				41/04
5668 <i>E 0392.6</i>	-Muelle de Castilla.	41° 06.1' N 1° 13.9' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	1	Red mast, green band; 13.	*
							41/04
5670 <i>E 0389</i>	-Muelle de Rioja, head.	41° 06.2' N 1° 14.2' E	Fl.(2)R. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	1	Red metal post; 13.	*
							41/04
5676 <i>E 0392</i>	- -SE. head.	41° 06.4' N 1° 14.6' E	Fl.(2+1)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 4.5s	23 7	1	Red metal post, green band; 15.	* *
			*				41/04
TARRAGONA:							
5689 <i>E 0392.3</i>	-Outer breakwater.	41° 06.3' N 1° 15.1' E	Fl.(2)G. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	5	Green post; 10.	*
							44/04
5752 <i>E 0398</i>	Rio Llobregat.	41° 19.5' N 2° 09.1' E	Fl.W. period 5s fl. 1s, ec. 4s	105 32	23	Tower on building, gallery with lantern; 102.	Visible 240°-030°. *
							41/04
5768 <i>E 0402</i>	- - -Spur, head.	41° 20.4' N 2° 10.3' E	Fl.(2)G. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	29 9	3	Green post on masonry base; 16.	*
			*				39/04

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5774 <i>E 0405</i>	-Nuevo Contradique, head.	41° 20.5' N 2° 10.1' E	Fl.R. period 5s fl. 1s, ec. 4s	30 9	5	Red round tower, white band at base; 16.	* 41/04
5776 <i>E 0407.4</i>	-Oil pier, head.	41° 20.8' N 2° 09.9' E	Fl.(2+1)R. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	20 6	2	Red pillar, green band; 10.	* 41/04
5780 <i>E 0407.6</i>	-New pier.	41° 20.9' N 2° 10.0' E	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	2	Red post on concrete base; 10.	* 41/04
5796 <i>E 0434.45</i>	-W. head.	41° 22.4' N 2° 11.2' E	Fl.(2+1)G. period 21s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 13.5s	16 5	2	Green post, red band.	* 39/04
5864 <i>E 0437</i>	-San Adrian de Besos, pier.	41° 26.4' N 2° 14.8' E	Fl.(4)Y. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	3	Yellow post; 13.	* 39/04
5868 <i>E 0435</i>	-Pier.	41° 25.1' N 2° 14.2' E	Q.(3)W. period 10s	36 11	3	E. CARDINAL BYB, post, topmark; 20.	Fl.Y. 3s marks jetty NE. * 39/04
5874 <i>E 0439</i>	Masnou.	41° 28.5' N 2° 18.7' E	Fl.(3)G. period 10s	3 1	2	Square green tower; 3.	* 39/04
5875 <i>E 0439.5</i>	Premia de mar.	41° 29.4' N 2° 22.0' E	Fl.G. period 3s fl. 0.5s, ec. 2.5s	20 6	5	Green post; 10.	Fl.R. 3s 3m 3M marks opposite breakwater. * 39/04
5920 <i>E 0460</i>	-Bajo Pereira (Llosa) on Palanos Reef.	41° 50.1' N 3° 07.2' E	Fl.(2)W. period 7s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	5	ISOLATED DANGER BRB, beacon, topmark.	* 39/04
5924 <i>E 0464</i>	-Dique de Abrigo, head.	41° 50.5' N 3° 07.2' E	Fl.G. period 3s fl. 1s, ec. 2s	30 9	5	Spherical support, green triangular topmark point up; 20.	* 39/04

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5926 <i>E 0466.6</i>	-Darsena Pesquera, S. jetty, head.	41° 50.5' N 3' 07.5' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	White column, green top; 13.	
				*			39/04
5927 <i>E 0466.4</i>	-N. jetty, head.	41° 50.5' N 3' 07.5' E	Fl.(2)R. period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	3	White column, red top; 13.	
				*			39/04
6712 <i>E 0693.3</i>	-Pier, head.	43° 10.5' N 5' 36.7' E	Fl.(3)R. period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	69 21	6	White tower, red top; 59.	
		*	*		*		42/04
7200 <i>E 0825</i>	-Bassin des Amiraux, entrance, W. side.	43° 41.5' N 7' 17.2' E	Fl.(3)R. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	6	White column, red top; 16.	
*			*		*	*	41/04
7204 <i>E 0826</i>	-E. side, on jetty, head.	43° 41.6' N 7' 17.2' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	20 6	7	White column, dark green top; 16.	
*			*				41/04
7216 <i>E 0828</i>	Cap Ferrat.	43° 40.5' N 7' 19.7' E	Fl.W. period 3s fl. 0.1s, ec. 2.9s	225 69	25	White octagonal tower, green band at base, green lantern; 112.	Visible 226°-167°.
						*	* 41/04
7228 <i>E 0836.2</i>	-S. head.	43° 42.3' N 7' 20.3' E	Fl.(3)G. period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	23 7	8	White tower, dark green top; 13.	
			*				41/04
*7400 <i>E 1172.8</i>	-Molo do Sopraflutto, head.	44° 16.1' N 8' 27.2' E	Fl.R. period 4s fl. 1s, ec. 3s	33 10	8	Red column; 16.	
							43/04
RADA DI VADO:							
7408 <i>E 1175.1</i>	-Vado Ligure.	44° 15.8' N 8' 26.6' E	Iso.G. period 2s	65 20	2	Post, black and red bands; 65.	At night, in line with Pontile. Private light.
			2 F.R. (vert.)	58 18			Formicoke Light, leads to Pontile Shell.
							* 44/04

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7416 <i>E 1182.3</i>	-Oil terminal.	44° 16.7' N 8' 27.6' E	F.L.Y. period 3s	16 5	2	Yellow mast; 13.	Private light.
						*	* 44/04
7420 <i>E 1175</i>	-Pontile Fornicoke.	44° 16.0' N 8' 26.9' E	3 F.R.W.R. (vert.)	38 12 33 10 26 8	W. 5 R. 3	White mast, red bands.	Private light.
			*	*	*	*	* 44/04
7448 <i>E 1185</i>	-Pontile Enel.	44° 16.5' N 8' 26.9' E	2 F.G. (horiz.)	33 10	3	Green mast; 23.	Private light.
							* 44/04
7452 <i>E 1185.2</i>	- -N. corner.	44° 16.6' N 8' 26.8' E	2 F.R. (horiz.)	33 10	3	Red mast; 23.	Private light.
						*	* 44/04
7476 <i>E 1182</i>	- -Rear, 650 meters 264° from front.	44° 16.3' N 8' 26.4' E	F.I.G. period 3s fl. 1s, ec. 2s 2 F.G. (vert.)		3	Green post; 66.	Occasional. Private light.
				*	*	*	* 44/04
7484 <i>E 1188</i>	-Pontile Chevron.	44° 17.5' N 8' 27.8' E	2 F.G.R. (vert.)	29 9 26 8	3	Red mast, green bands on hut; 19.	Private light.
		*	*		*		* 46/04
7492 <i>E 1194</i>	-Mole Frangiflutti, head.	44° 18.9' N 8' 30.2' E	F.R.	26 8	5	Red column; 16.	
				*		*	* 44/04
7496 <i>E 1197</i>	-Molo Miramare, head.	44° 18.8' N 8' 29.5' E	2 F.G. (vert.)	36 11 33 10	3	Green column; 26.	
					*		* 44/04
8834 <i>E 0990.2</i>	-Beacon.	41° 10.9' N 9' 23.3' E	V.Q.(9)W. period 10s	16 5	5	W. CARDINAL YBY, topmark.	Radar reflector.
				*	*		* 39/04
MALTA:							
10524 <i>E 2055.5</i>	-Cirkewwa, ro-ro terminal, head.	35° 59.4' N 14° 19.8' E	F.I.R. period 2s	33 10	2	Concrete column.	
		*	*	*			* 44/04

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* E 2670.2	-Funtana Marina.	45° 10.7' N 13° 35.6' E	Fl.(2)G. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	20 6	4	Green tower on platform; 16.	Visible 100°-122°, obsc.-147°, vis.-068°, obsc.-100°.
							46/04
	SHENGJIN:						
E 3702	-Kep i Shengjinit.	41° 48.7' N 19° 35.1' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	79 24	10	Pile on roof of building; 59.	
						*	44/04
E 3702.5	-Mali Renzit.	41° 49.2' N 19° 34.3' E	Fl.(2)W. period 8s	157 48	10	Square hut; 10.	
						*	44/04
E 3703	-Entrance Range, front.	41° 48.9' N 19° 35.3' E	Fl.R. period 6s fl. 0.5s, ec. 5.5s	39 12	5	White framework mast.	
						*	44/04
E 3703.1	--Rear, 75 meters 002° from front.	41° 48.9' N 19° 35.3' E	Fl.R. period 5s	49 15	5	White framework mast.	
			*			*	44/04
E 3708	-Kep i Palit.	41° 24.8' N 19° 23.6' E	Fl.W.R. period 10s	108 33	10	Green stone tower; 10.	R. 140°-160°, W.-140°.
				*		*	44/04
	SHENGJIN:						
E 3723	-Ishull i Sazanit.	40° 30.3' N 19° 16.1' E	Fl.W. period 10s	633 193	12	Round tower and dwelling; 39.	Visible 340°-197°.
					*	*	44/04
E 3726	--S. mole.	40° 30.1' N 19° 17.4' E	Fl.R. period 3s fl. 0.5s, ec. 2.5s		4	White pyramid, octagonal base; 23.	
				*			44/04
E 3726.5	-Kepi I Jugor.	40° 28.5' N 19° 17.2' E	Fl.W. period 6s	59 18	6	Metal framework on stone tower; 26.	
						*	44/04
E 3732.5	-Kepi Gjuhezes.	40° 25.3' N 19° 17.6' E	Fl.W. period 6s fl. 1s, ec. 5s	190 58	11	White post and bunker; 154.	
						*	44/04

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GJI I VLORES:							
14340 <i>E 3728</i>	-Kep i Gallovecit, entrance, S. side.	40° 26.2' N 19° 19.5' E	F.I.W. period 5s fl. 0.2s, ec. 4.8s	59 18	5	Metal column, black stripe, white double square daymark; 23.	Visible 095°-290°.
			*				44/04
14348 <i>E 3729</i>	-E. mole, head.	40° 27.0' N 19° 28.8' E	F.I.G. period 3s fl. 1s, ec. 2s	26 8	3	White tower; 20.	
			*	*		*	44/04
14350 <i>E 3729.1</i>	-W. mole.	40° 27.0' N 19° 28.9' E	F.I.R. period 3s fl. 1s, ec. 2s	33 10	3	White tower; 26.	
			*	*		*	44/04
*14364 <i>E 3733</i>	Grames.	40° 13.0' N 19° 28.5' E	F.I.W. period 8s	171 52	8	Metal framework tower, gallery and column; 16.	
							42/04
16132 <i>E 4818</i>	-Pier, jetty, head.	35° 12.0' N 25° 43.0' E	F.I.R. period 2s fl. 0.8s, ec. 1.2s	33 10	7	Concrete column on hexagonal pedestal, red band; 19.	
			*			*	44/04
16136 <i>E 4819</i>	-Nisis Konidha.	35° 08.0' N 25° 49.0' E	L.F.I.W. period 10s fl. 2s, ec. 8s	82 25	4	White round hut, metal framework; 16.	
						*	44/04
ORMOS SITIAS:							
16140 <i>E 4820</i>	-Akra Vamvakia.	35° 13.0' N 26° 08.0' E	F.I.(3)W. period 18s fl. 0.8s, ec. 2s fl. 0.8s, ec. 2s fl. 0.8s, ec. 11.6s	72 22	10	Metal framework; 16.	
						*	44/04
16144 <i>E 4821</i>	-Limin Sitia, mole, head.	35° 12.8' N 26° 06.8' E	F.I.G. period 2s fl. 0.4s, ec. 1.6s	30 9	5	Column with gallery on white hexagonal hut, green band; 26.	
				*			44/04
16145 <i>E 4822</i>	-N. mole, head.	35° 12.6' N 26° 06.7' E	F.G.	26 8	3	White metal column, green band.	
				*			44/04
16310 <i>E 4369</i>	-Ormos Megalo Vathi, pier, head.	38° 25.2' N 23° 35.7' E	2 F.R. (vert.)	20 6		Column; 13.	Private light.
				*		*	* 44/04

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16311 <i>E 4369.4</i>	-Khalkidha Shipyard, pier, head.	38° 25.0' N 23° 36.0' E	3 F.R. (vert.)	23 7	3	White metal mast, red band; 16.	1 meter apart. Private light.
						*	* 44/04
16312 <i>E 4368</i>	-Nisis Passas.	38° 25.7' N 23° 37.0' E	Fl.W. period 3s fl. 0.3s, ec. 2.7s	30 9	5	White square hut, metal framework; 18.	Visible 313°-168°.
						*	44/04
16317 <i>E 4372</i>	-Dhiavlos Steno, pier, head.	38° 27.0' N 23° 36.0' E	2 F.G. (vert.)	20 6	3	White metal column; 13.	1 meter apart.
						*	44/04
16324 <i>E 4375</i>	-Ikhinos Scala, strait, N. entrance, W. side.	38° 28.0' N 23° 35.0' E	Fl.G. period 2s fl. 0.3s, ec. 1.7s	26 8	3	White hexagonal hut, column, green band; 20.	
						*	44/04
16332 <i>E 4380</i>	-Nea Artaki.	38° 30.8' N 23° 37.7' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	30 9	5	White hexagonal hut, column; 19.	
						*	* 44/04
16532 <i>E 4445.5</i>	-Mamidhakis, pier, head.	39° 18.0' N 22° 54.0' E	2 F.R. (vert.)	20 6	3	White metal column, red band; 16.	1 meter apart. Private light.
						*	* 44/04
16536 <i>E 4445.7</i>	-Iraklis Volou, W. of pier, head.	39° 18.0' N 22° 56.0' E	2 F.R. (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart.
						*	44/04
16540 <i>E 4445.75</i>	-E. of pier, head.	39° 17.8' N 22° 56.3' E	2 F.R. (vert.)	26 8	3	White metal column, red band; 19.	1 meter apart. Private light.
						*	* 44/04
	-Kolpos Volos:						
16544 <i>E 4446</i>	-Akra Sesklo.	39° 20.6' N 22° 56.6' E	Fl.W. period 1.5s fl. 0.3s, ec. 1.2s	69 21	7	White square hut, metal framework; 26.	
			*		*	*	* 44/04
16548 <i>E 4449</i>	-Limin Volou, oil installation pier, head.	39° 21.0' N 22° 59.3' E	3 F.G. (vert.)	30 9	3	White metal column, green band; 22.	1 meter apart. Private light.
						*	* 44/04
16552 <i>E 4449.4</i>	-Tsimenta, pier, head.	39° 21.0' N 22° 59.0' E	Fl.(2)W. period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	59 18	12	White hexagonal hut, column and gallery; 26.	
				*		*	44/04
16554 <i>E 4448</i>	-Anavros River.	39° 22.0' N 22° 57.9' E	Fl.Y. period 2s fl. 0.3s, ec. 1.7s	23 7	4	White metal framework; 18.	
						*	44/04

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16836 <i>E 4554</i>	Alexandroupolis.	40° 51.0' N 25° 53.0' E	Fl.(3)W. period 15s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 2.1s fl. 0.4s, ec. 9.6s	102 31	24	Round tower on house; 88.	* * 44/04
*17899.5 <i>E 5077.55</i>	-Beacon.	46° 20.8' N 30° 38.8' E	L.F.I.G. period 6s		2		46/04
17904 <i>E 5078</i>	Odesskiy Zaliv.	46° 22.9' N 30° 44.9' E	Fl.(3)W. period 12s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 4.5s	275 84	22	White metal framework tower, central column; 89.	Visible 197°-047°. Reserve light Fl.W. 5s 9M. Nautophone: (370 meters SE.) 3 bl. ev. 30s. Reserve Bell: 2 strokes ev. 120s. * 42/04
18281 <i>E 5304.71</i>	-Rear, 275 meters 158° from front.	44° 34.3' N 33° 25.8' E	Iso.R. period 4s		12		Visible 128°-188°. * 40/04
*18396 <i>E 5353</i>	Hora Dyurmen.	45° 02.6' N 35° 56.9' E	Fl.G. period 3s		12		Occasional. 42/04
19058 <i>E 5653.75</i>	-Pier, N. side.	44° 43.0' N 37° 49.9' E	F.G.	23 7	4	White round metal column; 16.	* 40/04
20032 <i>E 4666</i>	-Akra Kotzikas.	37° 47.2' N 26° 57.1' E	Fl.(2)W. period 7.2s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.7s	200 61	7	Concrete tower; 13.	* 44/04
20050 <i>E 4677</i>	-Limnonaki Bay.	37° 39.7' N 26° 46.8' E	Fl.G. period 2s fl. 0.1s, ec. 1.9s	26 8	3	White round hut, green band; 9.	* * 39/04
20076 <i>E 4693</i>	-Vrakhonisis Evdhilos.	37° 38.4' N 26° 11.7' E	Fl.W. period 7.5s fl. 0.6s, ec. 6.9s	62 19	11	Metal column on round hut; 18.	Visible 100°-314°. * * 44/04
20452 <i>E 4732</i>	Deveboynu Burnu.	36° 41.3' N 27° 21.8' E	Fl.(2)W. period 10s	340 104	12	White stone tower, dwelling; 30.	Visible 315°-183°.
	RACON		D(- · -)				* * 41/04
*20550 <i>E 5843.7</i>	-Breakwater, head.	36° 37.5' N 29° 06.0' E	Fl.R. period 5s fl. 1s, ec. 4s	20 6	4	Red framework tower.	39/04

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* E 5843.8	-S. breakwater, head.	36° 37.5' N 29° 06.0' E	FL.G. period 5s fl. 1s, ec. 4s	20 6	4	Green framework tower.	
							39/04
* E 7700	Mari-B.	31° 44.1' N 34° 17.7' E	Mo.(U)W.			Platform.	Horn: Mo.(U).
							44/04
E 6514	-W. jetty, head.	37° 04.0' N 7° 23.0' E	F.R.	26 8		White column; 16.	
		*				*	39/04
E 6520	-Port Methanier, main breakwater, head.	36° 53.5' N 6° 56.9' E	FL.G. period 4s fl. 1s, ec. 3s	52 16	10	White tripod tower; 43.	
						*	39/04
E 6533	-Ile du Lion.	36° 55.3' N 6° 53.6' E	FL.G. period 5s			White tripod tower; 43.	
						*	39/04
E 6560	Hadjret Tafalkout.	36° 46.6' N 5° 34.5' E	Fl.(2)G. period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	69 21	5	White metal structure; 13.	
						*	39/04
E 6596	Tamentfoust (La Perouse), jetty, head.	36° 48.3' N 3° 13.7' E	F.R.	33 10	7	White round column; 23.	Obscured by Cap Matifou when bearing more than 145°.
		*			*	*	39/04
E 6604	-Jeteo Waiter, spur.	36° 46.8' N 3° 04.3' E	FL.G. period 4s fl. 1s, ec. 3s	33 10	11	White tower; 26.	Visible 309°-133°.
		*			*	*	40/04
E 6606	-Jeteo d l'Est, N. head.	36° 46.7' N 3° 04.2' E	FL.R. period 4s fl. 1s, ec. 3s	33 10	12	White tower; 23.	Visible 059°-014°.
		*			*	*	40/04
E 6611	-Jeteo Mustapha, spur.	36° 45.8' N 3° 04.7' E	Iso.G. period 4s	39 12	12	White tower; 23.	Visible 295°-104°.
		*			*	*	40/04
E 6610	-Brise-lames Est.	36° 45.7' N 3° 04.5' E	Oc.R. period 4s fl. 3s, ec. 1s	39 12	13	White tower; 23.	Visible 005°-312°.
		*			*	*	40/04
E 6613	-Bassin de l'Agha, S. entrance, E. side.	36° 46.0' N 3° 04.3' E	F.G.	36 11	7	White round tower; 26.	Visible 285°-160°.
					*	*	* 40/04

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22412 <i>E 6612</i>	--W. side (Grand Mole).	36° 45.9' N 3' 04.2' E	F.R.	36 11	8	White round tower; 26.	Visible 065°-319°.
					*	*	40/04
22452 <i>E 6632</i>	-E. mole, NW. head.	36° 35.7' N 2' 27.2' E	F.R.	36 11		White post; 33.	Partially obscured by Ras el Kalia.
					*		40/04
22488 <i>E 6646</i>	Cap Tenes.	36° 33.0' N 1' 20.5' E	Fl.(2)W. period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	292 89	31	White square tower on dwelling; 85.	
						*	* 40/04
22540 <i>E 6672</i>	-Ilot d'Arzew.	35° 52.4' N 0' 17.4' W	Fl.R. period 5s fl. 0.6s, ec. 4.4s	62 19	16	White tower; 40.	Obscured by Cap Carbon when bearing less than 132°.
	*	*			*		40/04
22740 <i>E 6762</i>	-NE. breakwater, head.	35° 17.3' N 2' 55.4' W	Fl.G. period 4s fl. 1s, ec. 3s	105 32	7	Gray tower with green lantern on grey dwelling; 92.	
				*	*	*	41/04
22858 <i>D 2490.5</i>	-Breakwater.	35° 53.5' N 5' 19.1' W	Fl.(4)G. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	20 6	1	Green post on green base; 13.	
			*			*	39/04
22860 <i>D 2490</i>	-Darsena de Pescadores, extremity of breakwater.	35° 53.5' N 5' 18.8' W	Fl.(4)R. period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	1	White tower, red lantern; 20.	
						*	39/04
23270 <i>D 2619</i>	Tarfaya.	27° 55.3' N 12' 56.3' W	Fl.(2)W. period 10s		25	Masonry tower; 42.	3 F.R. (vert.) on radio mast 1.5 miles NNE.
					*		* 40/04
ILHA DE SAO NICOLAU:							
24132 <i>D 2934</i>	-Ponta do Barril.	16° 36.2' N 24' 25.7' W	Fl.(3)W. period 12s	43 13	15	White quadrangular tower near dwelling; 30.	
				*			* 41/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

SUMMARY OF CORRECTIONS TO PUB 113, RADIOBEACONS, 2004 EDITION

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
390	Tarifa Light Station						<i>Remove from list.</i> * 44/04
450	Cabo de Salou Light Station						<i>Remove from list.</i> * 42/04
460	Punta del Llobregat Light Station						<i>Remove from list.</i> * 41/04
1020	Odesskiy Light Station (Mys Bol'shoy Fontan)						<i>Remove from list.</i> * 42/04
1460	Ras Tenes Light Station						<i>Remove from list.</i> * 40/04

CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3598 A 3881.7	-Creag Mhor.	58° 27.0' N 5° 02.4' W	Dir.Oc.W.R.G. period 2.8s lt. 2.7s, ec. 0.1s	52 16	9	Metal pole.	R. 136°30'-146°30', W.- 147°30', G.-157°30'. * 46/04
3608 A 3883.7	-Soyea Island.	58° 08.5' N 5° 19.6' W	Fl.(2)W. period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 8.4s	112 34	6	Yellow pedestal.	* 46/04
7912 A 1724.1	--Rear, 360 meters 262°12' from front.	48° 47.1' N 3° 02.6' W	Q.R.	39 12	14	White post, red top; 33.	Intensified 260°12'-264°12'. * 46/04

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7580 C 7452	-Saltohammar.	56° 09.6' N 15° 34.0' E	Q.W.R.G.	11 4	W. 8 R. 5 G. 4	Framework tower; 20. Floodlit.	G. 308°-320°12', R.-326°30', G.-011°42', W.-014°06', R.- 028°42', G.-052°36', R.-121°. * 46/04
9584 C 6388.5	-Soderarmsleden Channel: --Nygrund.	59° 45.0' N 19° 15.6' E	Fl.(4)G. period 12s	30 9	5	Green tower, white band.	* 46/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12052 <i>C 3386</i>	Pape.	56° 09.3' N 21° 01.4' E	Fl.W. period 3.5s fl. 1.5s, ec. 2s	85 26	14	White iron framework tower, red balcony; 72.	Visible 347°-172°.
		*				*	* 46/04
12428 <i>C 3583</i>	Laci.	57° 26.6' N 24° 23.3' E	Fl.W. period 4s fl. 1s, ec. 3s	99 30	14	Framework structure, white and red bands; 75.	Seasonal.
		*				*	* 46/04

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

NM 46/04

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 46/04

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	
NGA HYDRO CATALOG CATH2V01U			CDPUBSD153	2003	26/04*	COMDTM165023	2004	23*,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/04	
Region 1	2002	1* 2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31,32,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52/03;1,2,3,5,6,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,28,29,30,31,32,33,34,36,37,38,39,40,41,42,43,44,45,46/04	CDPUBSD155	2004	29/04*	COMDTM165024	2004	23*,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,43,44,45,46/04	
Region 2	2002	1*,8,15,17,20,21,22,23,24,26,28,30,32,33,34,44,48,52/03;2,3,5,7,10,11,14,15,20,22,24,25,33,34,39,40,41,43/04	CDPUBSD157	2004	29/04*	COMDTM165025	2004	22* 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/04	
Region 3	2002	1/03*;19,23,24,28,31,32,33,34,36,37,38,39,41,43/04	CDPUBSD158	2003	24/03*	COMDTM165026	2004	22* 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46/04	
Region 4	2002	1* 23,43/03	CDPUBSD160	2004	25/04*	COMDTM165027	2004	22* 23,24,25,26,28,29,30,32,34,36,37,38,39,40,41,42,43,45/04	
Region 5	2002	1* 3,5,8,22,27,30,33,38,48/03;1,9,10,14,20,37,40/04	CDPUBSD164	2004	36/04*				
Region 6	2002	1* 10,11,13,16,19,20,21,25,28,30,33,38,50/03;11,37,40/04	CDPUBSD171	2004	36/04*				
Region 7	2002	1* 1,11,15,28/03;31,32/04	CDPUBSD172	2004	37/04*				
Region 8	2002	1* 14,37,41,46,52/03;38/04	CDPUBSD174	2004	26/04*				
Region 9	2002	1* 34,40,43,45,48,50,51,52/03;1,7,11,14,15,21,39,45/04	CDPUBSD191	2004	29/04*				
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31,32,33,34,36,37,38,39,40,41,42,43,45,46,47,48,49,51,52/03;1,4,5,6,7,9,10,11,13,14,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,32,34,35,36,37,38,39,41,43,46/04	CDPUBSD192	2004	36/04*				
			CDPUBSD193	2004	27/04*				
			CDPUBSD194	2004	28/04*				
			SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31,41,42,44,45,52/03;5,9,12,14,15,38,40/04				
			SDPUB123	2001	45* 47,48/01;1,14,17,18,19/02;24,25,27,28,32,38,42/03				
			SDPUB126	2002	39* 41,42,43,44,45,48/02;24,26,27,28,30,32,41/03;12,16,23,24,25,39,40,44,45/04				
			SDPUB148	2001	48/01*;23,24/02;22,42,43,45,48,50,52/03;5,13,14,22,32,33,40,41,43/04				
			SDPUB154	2002	17* 19,31,42,44,45,46,48,50/02;3,14,19,23,30,41,42,47/03;10,12,13,16,19,20,28,30,31,33/04				
			SDPUB159	2002	42* 48/02;10,13,15/04				
			SDPUB161	2002	23*,24,44,47,48/02;5,12/03;10,14/04				
			SDPUB162	2001	51/01*;5,12/03;12/04				
			SDPUB163	2002	18* 20,21,26,46,51/02;13,24,26,27,28,29,30,31,39,40,41,43,47,48/03;12,16,23,24,38,39,41,43/04				
			SDPUB173	2002	50* 51/02;3,22,24,25,26,27,32,33,34,37,38,49,50,51/03;13,16,17,38,40/04				
			SDPUB175	2001	41* 43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02;26,27,29,32,37,38,43,47/03				
			SDPUB180	2002	32*,33,42,47,48,50/02;6,13,14,17,21,24,42,44,47,48,49,51/03;19,21,28,35,40,42/04				
			SDPUB181	2002	38*,39/02				
			SDPUB182	2001	8* 10,12,41/02;17/03				
			SDPUB183	2001	27/01*;13,15,16/02;18/03				
			SDPUB195	2002	33* 40,49,51,52/02;1,2,3,15,16,21,32,33,41,43,46,49/03;1,12,23,33,36,40,44,45,46/04				
			SDPUB200	2002	38* 39,42/02;22,27,34,41,51,52/03;27/04				
			USCG LIGHT LIST VOLUMES I - VII						
			COMDTM165021	2004	22*,23,24,25,27,28,29,30,31,32,33,34,35,36,38,39,40,41,42,43,44,45,46/04				
			COMDTM165022	2004	23* 24,25,26,27,28,29,30,31,33,34,36,37,38,39,40,41,42,43,44,45,46/04				
						FLEET GUIDES			
						CDPUBFGPAC	2004	N17/04*	
						FGPUB940ATL	2001	N47/01*	
						NOS MISCELLANEOUS PUBLICATIONS			
						NOSPBCATALOG2	2000	34/00*	
						NOSPBCATALOG3	2000	28/00*	
						NOSPBCATALOG4	2000	34/00*	
						NOSPBCATALOGA	2003	19/04*	
						NOSPBCATALOGG	2003	19/04*	
						ALMANACS			
						AIRALMANAC501	2005	34/04*	
						NAUTALMANAC05	2005	34/04*	
						COAST PILOT			
						NOSPBCP1	34	18* 21,24,33,34,38/04	
						NOSPBCP2	33	5* 6,9,20,25,26,27,31,34,37,38,43/04	
						NOSPBCP3	37	14* 18,21,25,28,33,36,37,38,39/04	
						NOSPBCP4	36	43* 44/04	
						NOSPBCP5	32	30* 31,33,34,37,38,39,41,46/04	
						NOSPBCP6	34	13* 18,19,25,26,27,31,34,36,37,38,39,40,41/04	
						NOSPBCP7	36	18* 19,20,21,23,24,27,31,34,37,38,39,40,43,44/04	
						NOSPBCP8	26	32* 34,38,39,40,41,46/04	
						NOSPBCP9	22	38* 39,41,43,46/04	
						RADIO NAVIGATIONAL AIDS			
						RAPUB117	2002	50/02*;13/03	
						AMERICAN PRACTICAL NAVIGATOR			
						NVPUB9	2002	36/02*;14,38/03	
						INTERNATIONAL CODE OF SIGNALS			
						CDPUBNV102	2003	20/03*	
						WORLD PORT INDEX			
						NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02;2,7,10,15,20/03	
						DISTANCES BETWEEN PORTS			
						NVPUB151	2001	4/02*	
						RADAR NAVIGATION AND MANEUVERING BOARD MANUAL			
						CDPUBNV1310	2001	51/01*	
						SIGHT REDUCTION TABLES (MARINE)			
						SRPUB229V1	1970	11/71*	
						SAILING DIRECTIONS			
						CDPUBSD124	2004	25/04*	
						CDPUBSD125	2004	27/04*	
						CDPUBSD127	2004	29/04*	
						CDPUBSD131	2002	9/03*	
						CDPUBSD132	2003	6/04*	
						CDPUBSD140	2003	25/04*	
						CDPUBSD141	2004	36/04*	
						CDPUBSD142	2004	24/04*	
						CDPUBSD143	2003	46/03*	
						CDPUBSD145	2003	51/03*	
						CDPUBSD146	2002	4/03*	
						CDPUBSD147	2004	38/04*	

SECTION II
PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 46/04

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
SIGHT REDUCTION TABLES (AIR)		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
CHART NO. 1		
WOBZC1	1997	18/98*
CHART NO. 4		
WOBZC4	1988	N23/91*
ATLAS OF PILOT CHARTS		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
USCG NAVIGATION RULES		
COMDTM166722D	1999	44/99*;52/00;16/04
NOS TIDE TABLES		
NOSPBTTWCWPCIN4	2004	N1/04*
NOSPBTTWCSTNSA4	2004	N1/04*
NOSPBTTTEURAFR4	2004	N1/04*
NOSPBTTWCSTNSA4	2004	N1/04*
TIDAL CURRENT TABLES		
NOSPBTCATCSTN4	2004	N1/04*
NOSPBCTPACAS4	2004	N1/04*

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 281200Z October 2004:

2003 series	128(26)	323(11)	333(GEN)	352(11,26)
108(26,27)	198(11)	328(GEN)	342(11)	353(25)
2004 series	243(GEN)	329(11,26)	351(GEN)	354(11,26,27)

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

NAVAREA IV WARNINGS issued from 211200Z to 281200Z October 2004.

352/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:

A. 0400Z TO 0359Z COMMENCING DAILY

25 THRU 31 OCT IN AREA BOUND BY

30-45N 080-54W, 30-45N 080-11W,

30-36N 080-11W, 30-33N 080-55W.

B. 0400Z TO 0359Z COMMENCING DAILY

25 THRU 31 OCT IN AREA BETWEEN

29-20N 29-10N AND 079-50W 079-40W.

C. 1300Z TO 0359Z COMMENCING DAILY

25 AND 28 OCT AND 0400Z TO 0700Z DAILY

26 AND 29 OCT IN AREA BETWEEN

30-00N 29-50N AND 081-00W 080-50W.

2. CANCEL THIS MSG 310459Z OCT.

(221624Z OCT 2004)

353/04(25). CARIBBEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 271100Z TO 282230Z OCT

WITHIN 12 MILES OF 14-30N 062-35W.

2. CANCEL THIS MSG 282330Z OCT.

(221726Z OCT 2004)

354/04(11,26,27). FLORIDA. NAVTEX.

NAVTEX STATION CAMSLANT OFF AIR.

(251556Z OCT 2004)

SECTION III

NM 46/04

HYDROLANTS

Messages in force 281200Z October 2004:

2002 series	2418(52)	1214(36)	1525(53,54)	1654(54)	1712(53,54)
245(GEN)	2419(54)	1219(35)	1556(54)	1659(57)	1713(53)
246(GEN)	2420(54)	1235(37,51)	1569(22)	1661(56)	1714(37)
2003 series	2004 series	1256(37)	1581(24)	1673(37)	1715(24)
604(26,27)	224(24)	1279(36)	1586(53)	1677(23)	1720(36)
1422(53)	272(24)	1286(36)	1591(54)	1683(56)	1721(24)
1472(35)	649(55)	1382(43)	1598(52,53)	1696(51)	1723(37,51)
2203(53)	650(55)	1389(53)	1600(38)	1697(GEN)	1725(62)
2406(54)	668(56)	1404(52)	1607(53)	1700(54)	1727(56)
2407(54)	850(24)	1430(51)	1613(57)	1701(57)	1728(24)
2408(54)	1019(24)	1454(35)	1618(52,53)	1702(56)	1730(53)
2409(54)	1033(37)	1474(36)	1624(37)	1707(36)	1734(37)
2410(54)	1084(53,56)	1504(37)	1627(56)	1708(56)	1737(37)
2413(54)	1104(37,43)	1505(37)	1643(52)	1709(36)	
2414(54)	1136(37,43)	1510(54)	1646(53)	1710(52,53)	
2416(54)	1162(36)	1513(56)	1651(37)	1711(53)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

HYDROLANT WARNINGS issued from 211200Z to 281200Z October 2004.

1704/04 thru 1706/04. CANCELED.

1707/04(36). IRELAND-SOUTHEAST COAST.

1. FISHING GEAR MARKED BY TWO GREEN BUOYS
ADRIFF IN 52-01.7N 006-58.0W.
2. CANCEL THIS MSG 29 OCT.

(220627Z OCT 2004)

1708/04(56). EASTERN MEDITERRANEAN SEA.

1. SEISMIC SURVEY 23 OCT THRU 31 JAN 05 BY
M/V RAMFORM VIKING TOWING TEN 600 METER
LONG CABLES IN AREA BOUND BY
31-55N 030-00E, 31-40N 030-07E,
31-31N 029-40E, 31-48N 029-35E.
2. CANCEL THIS MSG 01 FEB 05.

(221117Z OCT 2004)

1709/04(36). WALES-NORTHWEST COAST.

UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
VICINITY 53-19.5N 004-39.7W. WIDE BERTH REQUESTED.

(221146Z OCT 2004)

1710/04(52,53). SARDEGNA-SOUTH COAST.

1. OCEANOGRAPHIC SURVEY IN PROGRESS UNTIL 30 OCT
BY M/V ODIN FINDER ALONG TRACKLINES JOINING
A. 38-09.28N 008-51.09E, 38-24.02N 009-06.46E,
38-37.08N 009-09.30E, 38-50.84N 009-04.80E,
39-01.19N 009-05.89E, 39-03.28N 009-02.64E.
B. 38-01.06N 008-30.29E, 38-11.57N 008-38.99E,
38-19.20N 008-37.19E, 38-26.89N 008-31.53E,
38-39.11N 008-30.72E, 38-54.49N 008-30.81E,
38-59.68N 008-31.38E, 39-02.19N 008-30.95E,
39-03.51N 008-32.12E.
C. 39-03.51N 008-32.12E, 39-02.19N 008-30.95E,
38-59.68N 008-31.38E, 38-54.49N 008-30.81E,
38-40.14N 008-27.48E, 38-23.60N 008-14.34E,
38-01.45N 007-46.99E.
2. CANCEL THIS MSG 01 NOV.

(221421Z OCT 2004)

1711/04(53). SARDEGNA-SOUTH COAST.

1. GUNNERY EXERCISES 0700Z TO 1400Z 27 AND 28 OCT
IN AREA BETWEEN 40-00N 40-20N AND 008-00E 007-30E.
2. CANCEL THIS MSG 281500Z OCT.

(221503Z OCT 2004)

- 1712/04(53,54). MEDITERRANEAN SEA.
1. SURVEY OPERATIONS 26 OCT THRU 15 NOV
BY M/V URIANA ALONG TRACKLINE JOINING
39-41.1N 012-08.9E, 38-18.9N 015-14.1E,
35-30.9N 017-18.0E, 38-39.3N 018-46.3E,
37-11.0N 015-17.0E, 38-12.0N 015-34.0E.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 NOV. (221538Z OCT 2004)
- 1713/04(53). SICILIA-EAST COAST. HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS 0500Z TO 1800Z DAILY 25 AND
27 THRU 29 OCT IN AREA BETWEEN 37-15N 37-25N AND
015-25E 015-55E.
2. CANCEL THIS MSG 291900Z OCT. (221602Z OCT 2004)
- 1714/04(37). DOVER STRAIT.
CHART 37125 (15TH ED).
9.2 METER DEPTH REPORTED IN 51-03.29N 001-53.04E. (221914Z OCT 2004)
- 1715/04(24). SOUTH ATLANTIC.
1. SEISMIC SURVEY 230300Z TO 290259Z OCT
BY M/V WESTERN PRIDE TOWING TEN 6000 METER LONG
CABLES IN AREA BOUND BY 22-40S 039-30W,
22-10S 040-00W, 20-40S 038-00W,
21-20S 037-00W. FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290359Z OCT. (222145Z OCT 2004)
- 1716/04 thru 1719/04. CANCELED.
- 1720/04(36). IRISH SEA.
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP WAVE SENTINEL WITH SUBMERSIBLE VICINITY
53-41N 003-24W. WIDE BERTH REQUESTED. (240130Z OCT 2004)
- 1721/04(24). BRAZIL-SOUTH COAST.
1. SEISMIC SURVEY IN PROGRESS UNTIL 290259Z OCT
BY M/V CGG SYMPHONY TOWING EIGHT 6000
METER LONG CABLES IN AREA BOUND BY
23-20S 042-24W, 24-40S 041-00W,
24-50S 041-05W, 23-28S 042-35W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290359Z OCT. (240840Z OCT 2004)
- 1722/04. CANCELED.
- 1723/04(37,51). FRANCE TO PORTUGAL.
8.5 METER M/V SPHYNX, ONE PERSON ON BOARD, REPORTED
OVERDUE ROYAN TO NAZARE SINCE 21 OCT. LAST KNOWN
POSITION 45-55N 008-47W AT 092100Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP AS SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO MRCC FALMOUTH,
PHONE: 44 1326 317575, FAX: 44 1326 315610. (241113Z OCT 2004)
- 1724/04. CANCELED.
- 1725/04(62). EGYPT. GULF OF SUEZ.
CABLE OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE
BY CABLESHIP MAERSK DEFENDER IN 29-49N 032-30E. (250907Z OCT 2004)
- 1726/04. CANCELED.
- 1727/04(56). EGYPT.
1. UNDERWATER OPERATIONS IN PROGRESS UNTIL
26 NOV BY M/V CSO DEEP BLUE IN AREA BOUND
BY 32-11.7N 030-49.5E, 32-02.0N 030-26.5E,
31-54.4N 030-31.4E, 31-22.0N 030-19.0E,
31-21.7N 030-19.2.
2. CANCEL THIS MSG 27 NOV. (251423Z OCT 2004)

SECTION III

NM 46/04

1728/04(24). NORTH ATLANTIC. BRAZIL.

1. SEISMIC SURVEY IN PROGRESS 260300Z TO 290259Z OCT
BY M/V ALIZE TOWING 8000 METER LONG CABLES IN AREA BOUND BY
04-13.5N 049-23.1W, 04-27.2N 049-11.5W,
04-16.4N 049-59.0W, 04-03.0N 049-10.3W.
SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 290359Z OCT.

(260120Z OCT 2004)

1729/04. CANCELED.

1730/04(53). EASTERN MEDITERRANEAN SEA.

1. OCEANOGRAPHIC OPERATIONS 27 THRU 31 OCT
BY M/V UNIVERSITATIS WITHIN:
 - A. THREE MILES OF 36-26.0N 016-00.0E.
 - B. THREE MILES OF 36-30.0N 015-50.0E.
 - C. 1.5 MILES OF 37-29.6N 015-25.6E.WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 NOV.

(261424Z OCT 2004)

1731/04 thru 1733/04. CANCELED.

1734/04(37). NORTH ATLANTIC.

1. NUMEROUS CONTAINERS ADRIFT VICINITY
47-08.9N 006-50.0W AT 271630Z OCT.
2. CANCEL THIS MSG 03 NOV.

(272013Z OCT 2004)

1735/04 and 1736/04. CANCELED.

1737/04(37). DOVER STRAIT.

- CHART 37106 (4TH ED).
ZC1 BUOY 50-45N 001-27E UNLIT.

(280606Z OCT 2004)

1738/04 and 1739/04. CANCELED.

SECTION III

NM 46/04

NAVAREA XII

Messages in force 281200Z October 2004:

2004 series	253(19)	267(GEN)	272(18)
186(17)	258(19)	270(18)	274(83)

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

NAVAREA XII WARNINGS issued from 211200Z to 281200Z October 2004.

268/04 and 269/04. CANCELED.

270/04(18). NORTH PACIFIC. OREGON. NAVTEX.
NAVTEX STATION ASTORIA OFF AIR.

(242009Z OCT 2004)

271/04. CANCELED.

272/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

- | | |
|--------------------|---|
| A. 34-02N 119-04W. | M. THENCE THREE NAUTICAL MILES
FROM AND PARALLEL |
| B. 33-52N 119-06W. | TO THE SHORELINE. |
| C. 33-29N 119-07W. | N. 34-24N 120-30W. |
| D. 33-29N 118-37W. | O. 34-08N 120-26W. |
| E. 33-20N 118-37W. | P. 34-08N 119-40W. |
| F. 32-11N 120-16W. | Q. 34-00N 119-40W. |
| G. 31-54N 121-35W. | R. 34-06N 119-13W. |
| H. 35-09N 123-39W. | S. 34-06N 119-11W. |
| I. 35-29N 123-00W. | T. 34-07N 119-10W. |
| J. 35-04N 122-43W. | U. 34-07N 119-07W. |
| K. 35-57N 121-32W. | V. 34-04N 119-04W. |
| L. 34-59N 120-42W. | |

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 266/04.

(251942Z OCT 2004)

273/04. CANCELED.

274/04(83). NORTH PACIFIC. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 2200Z TO 0200Z COMMENCING DAILY 31 OCT THRU 04 NOV WITHIN 300 METERS OF 13-27.67N 144-38.34E.
2. CANCEL THIS MSG 050300Z NOV.

(261605Z OCT 2004)

275/04 thru 278/04. CANCELED.

SECTION III
HYDROPACS

NM 46/04

Messages in force 281200Z October 2004:

2001 series	801(61)	1138(75)	1458(62)	1559(97)	1652(62)
1976(62)	890(71)	1151(63)	1471(75)	1563(83)	1653(81)
2002 series	891(71)	1152(63)	1472(74)	1565(22)	1654(81)
205(GEN)	904(63)	1153(63,71)	1475(22)	1569(63)	1655(GEN)
206(GEN)	932(22)	1155(63)	1478(61)	1576(75)	1656(62)
2003 series	948(96)	1156(63)	1490(63)	1589(62)	1657(63)
207(62)	967(74)	1157(75)	1491(63)	1592(96)	1658(71)
506(62)	981(74)	1215(63)	1495(74)	1597(71)	1660(63)
993(62)	988(63)	1238(81,92)	1497(75)	1598(83)	1662(96)
1041(71)	996(94,95)	1239(81,92)	1507(74)	1600(63)	1663(81,91,92)
1330(62)	1000(63)	1254(62)	1508(76)	1601(95)	1664(21,22)
1395(62)	1011(62)	1271(63)	1509(76)	1602(93)	1669(97)
1699(63)	1025(74)	1273(63)	1525(22)	1603(83)	1671(74,75)
1911(62)	1033(62)	1295(71)	1529(74)	1604(74)	1672(74)
1982(GEN)	1049(61)	1305(63)	1533(71,93)	1606(81)	1677(74)
2265(62)	1050(74)	1313(83)	1538(95)	1617(75)	1682(63)
2004 series	1052(74)	1324(73)	1539(35)	1618(63)	1683(83,22)
23(62)	1066(62)	1349(63)	1540(97)	1621(62)	1685(22)
278(63)	1076(74)	1363(96)	1541(95)	1628(76)	1686(74)
455(73)	1081(74)	1365(75)	1542(95)	1630(74)	1687(83)
694(62)	1084(62)	1390(63)	1547(74)	1633(83)	1688(73)
727(22)	1092(63)	1399(71)	1548(71)	1634(63)	1690(71)
754(62)	1112(74)	1400(74)	1549(95)	1636(73,74)	1691(62)
763(62)	1115(63)	1409(63)	1550(95)	1640(62)	1692(97)
778(75)	1123(63)	1453(63)	1552(61)	1648(63)	1693(63)
795(62)	1124(74)	1455(63)	1553(61)	1651(73,74)	1694(95)

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03.
Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

HYDROPAC WARNINGS issued from 211200Z to 281200Z October 2004.

1662/04(96). TATARSHIY PROLIV.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 10 NOV BY
M/V VALERIAN URYVAYEV IN AREAS BOUND BY:

A. 51-29-29N 140-50-18E, 51-28-27N 140-53-31E,
51-28-08N 140-55-10E, 51-27-06N 140-54-39E,
51-27-25N 140-53-00E, 51-28-50N 140-49-31E.

B. 51-29-00N 140-54-18E, 51-29-49N 140-54-18E,
51-29-49N 140-54-59E, 51-29-00N 140-54-59E.

C. 51-26-32N 140-54-00E, 51-26-56N 140-54-00E,
51-26-56N 140-55-00E, 51-26-32N 140-55-00E.

2. CANCEL THIS MSG 11 NOV.

(211415Z OCT 2004)

1663/04(81,91,92). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 243 MHZ AT
211326Z OCT IN 13-10.4N 130-54.7E.

VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU, TELEX: 392401,
PHONE: 808 541 2500, FAX: 808 541 2123.

(211445Z OCT 2004)

1664/04(21,22). SOUTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1743Z TO 1921Z

26 AND 28 OCT IN AREA BOUND BY

04-38S 135-23W, 00-27S 134-33W,

01-53S 127-20W, 06-04S 128-08W.

2. CANCEL THIS MSG 282021Z OCT.

(211637Z OCT 2004)

1665/04 thru 1668/04. CANCELED.

1669/04(97). NORTH PACIFIC. GUNNERY.

1. GUNNERY EXERCISES 2300Z TO 0900Z

25 THRU 27 OCT, ALTERNATE 2300Z

TO 0900Z 28 THRU 30 OCT IN AREA

BOUND BY 27-55-15N 144-57-48E,

28-15-15N 146-29-47E,

25-25-16N 147-37-47E,

25-00-16N 145-35-47E.

2. CANCEL THIS MSG 311000Z OCT.

(221058Z OCT 2004)

1670/04. CANCELED.

1671/04(74.75). AUSTRALIA-SOUTHWEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V PACIFIC SWORD IN AREA BETWEEN 31-25S 35-00S AND 111-00E 115-40E. SEVEN MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1619/04.
3. CANCEL HYDROPAC 1635/04.

(221824Z OCT 2004)

1672/04(74). AUSTRALIA-NORTHEAST COAST.

1. CONTAINER ADRIFT IN 22-41S 155-14E AT 220259Z OCT.
2. CANCEL THIS MSG 30 OCT.

(230341Z OCT 2004)

1673/04 thru 1676/04. CANCELED.

1677/04(74). AUSTRALIA-EAST COAST.

- CHART 74220 (8TH ED).
MACKAY DGPS STATION 21-06.2S 149-12.7E INOPERATIVE.

(242254Z OCT 2004)

1678/04 thru 1681/04. CANCELED.

1682/04(63). INDIA-WEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1700Z DAILY 27 AND 28 OCT IN AREAS:
 - A. WITHIN FIVE MILES OF 08-31.9N 076-52.1E BETWEEN 190 DEGREES AND 300 DEGREES FROM COAST.
 - B. WITHIN 75 MILES OF 08-31.9N 076-52.1E BETWEEN 220 DEGREES AND 260 DEGREES FROM COAST.
2. CANCEL HYDROPAC 1681/04
3. CANCEL THIS MSG 281800Z OCT.

(252032Z OCT 2004)

1683/04(83.22). SOUTH PACIFIC.

1. SUBMARINE RESEARCH OPERATIONS IN PROGRESS UNTIL 13 DEC BY M/V L'ATALANTE ALONG TRACKLINE JOINING 09-45S 138-30W, 26-00S 123-00W, 26-00S 090-00W, 33-00S 071-35W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 14 DEC.

(260114Z OCT 2004)

1684/04. CANCELED.

1685/04(22). SOUTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0800Z TO 1800Z 27 TO 29 OCT AND 2 TO 4 NOV, IN AREA BOUND BY 22-30S 071-30W, 22-30S 071-00W, 23-25S 071-00W, 23-25S 071-30W. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 041900Z NOV.

(260158Z OCT 2004)

1686/04(74). AUSTRALIA-WEST COAST.

- PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE BY BARGE JAVA CONSTRUCTOR WITHIN FOUR MILES OF 19-17S 116-36E. WIDE BERTH REQUESTED.

(260841Z OCT 2004)

1687/04(83). SOUTH PACIFIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 1743Z TO 1921Z DAILY 26 AND 28 OCT IN AREA BOUND BY 04-38S 135-23W, 00-27S 134-33W, 01-53S 127-20W, 06-04S 128-08W.
2. CANCEL HYDROPAC 1684/04
3. CANCEL THIS MSG 282021Z OCT.

(261214Z OCT 2004)

1688/04(73). GULF OF PAPUA.

- MAN OVERBOARD VICINITY 09-42.8S 143-16.4E AT 261745Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA, TELEX: 7162025, PHONE: 612 6230 6811, FAX: 61 262 306 868.

(261814Z OCT 2004)

1689/04. CANCELED.

1690/04(71). SOUTH CHINA SEA.

1. GUNNERY EXERCISES 0001Z TO 1601Z DAILY 01 THRU 06, 08 THRU 13, 15 THRU 20, 22 THRU 27, 29 AND 30 NOV IN AREA BOUND BY 04-14N 100-17E, 04-33N 099-48E, 04-53N 100-06E.
2. CANCEL THIS MSG 301701Z NOV.

(270943Z OCT 2004)

1691/04(62). PERSIAN GULF. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 30 OCT THRU 03 NOV:
 - A. WITHIN 20 MILES OF 26-38.0N 051-50.0E.
 - B. WITHIN 20 MILES OF 25-40.0N 052-37.0E.
 - C. WITHIN 20 MILES OF 25-07.0N 053-26.0E.
 - D. WITHIN 20 MILES OF 25-40.0N 054-26.0E.
2. CANCEL THIS MSG 04 NOV.

(271306Z OCT 2004)

1692/04(97). NORTH PACIFIC.

MAN OVERBOARD FROM F/V WAKASHIO NO. 33 VICINITY 36-27N 156-59E AT 271345Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(271921Z OCT 2004)

1693/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0430Z TO 1130Z DAILY 28 THRU 30 OCT WITHIN 170 MILES OF 21-22N 086-56E BETWEEN 110 DEGREES AND 170 DEGREES.
2. CANCEL THIS MSG 301230Z OCT.

(272003Z OCT 2004)

1694/04(95). SEA OF JAPAN. GUNNERY.

1. GUNNERY EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06, 08 THRU 13, 15 THRU 20, 22 THRU 27, 29 AND 30 NOV IN AREA BOUND BY 38-08N 129-51E, 38-08N 130-10E, 37-39N 130-10E, 37-42N 129-51E.
2. CANCEL HYDROPAC 1689/04.
3. CANCEL THIS MSG 301400Z NOV.

(281040Z OCT 2004)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 28 October 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 28 October 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

MARINE INFORMATION

UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION

The National Geospatial-Intelligence Agency (NGA) is in the midst of a hard copy to digital transition program. NGA has statutory requirements to produce and make available safety of navigation data and will continue to meet this obligation to the mariner. The weekly Notice to Mariners is available free of charge to all customers through the Internet on our website. Beginning with Notice to Mariners No. 1, 2005 NGA will no longer print and distribute hard copy versions of this weekly product.

The digital version of the weekly Notice to Mariners is available on the Maritime Safety Information website at <http://pollux.nss.nga.mil/> or through the NGA home page (www.nga.mil). All of the information and data contained in the hard copy Notice is also available on this website. Customers can rely on the same quality of data that the Notice to Mariners provides to the civil and military mariner with the advantages afforded by the Internet. Customers can access daily navigational safety updates and not be hampered by weekly mail deliveries of the hard copy Notice.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand chart distributed by OceanGrafix (www.OceanGrafix.com), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions, contact NOAA at help@nauticalcharts.gov or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below:

11327	32 nd Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	TX-UPPER GALVESTON BAY-HOUSTON SHIP CHANNEL-DOLLAR POINT TO ATKINSON		1:25,000
	(New edition due to numerous Notice to Mariners changes.)		
11329	36 th Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	TX-HOUSTON SHIP CHANNEL-ALEXANDER ISLAND TO CARPENTER BAYOU		1:10,000
	(New edition due to numerous Notice to Mariners changes.)		
11345	32 nd Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	LA-IWW-NEW ORLEANS TO CALCASIEU RIVER-WEST SECTION		1:175,000
	(New edition due to numerous Notice to Mariners and various general changes.)		
12272	30 th Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	MD-CHESAPEAKE BAY-CHESTER RIVER		1:40,000
	INSETS: Rock Hall Harbor and Swan Creek		1:10,000
	Kent Island Narrows		1:20,000
	(New edition due to numerous Notice to Mariners and various general changes.)		
13009	31 st Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	EAST COAST-GULF OF MAINE AND GEORGES BANK		1:500,000/LORAN-C
	(New edition due to various general changes.)		
17437	9 th Ed. Oct 2004 NEW EDITION	NAD 83	(NOS Silver Spring, MD)
	AK-SOUTHEAST COAST AND BRITISH COLUMBIA-PORTLAND INLET TO NAKAT BAY		1:40,000
	(New edition due to change in format.)		

NEW EDITION OF LIST OF LIGHTS

Pub. 113, 2004 Edition, List of Lights, Radio Aids and Fog Signals for the West Coasts of Europe and Africa, the Mediterranean Sea, Black Sea and Azovskoye More (Sea of Azov), is ready for issue.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 11 September 2004, including Notice to Mariners No. 37 of 2004.

Corrections subsequent to the above effective date, up to and including Notice to Mariners No. 46 of 2004, are contained in Section II of this Notice.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Note: Copies of the above publication may be obtained from the Government Printing Office (GPO).

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

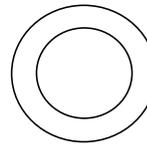
Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
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ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

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Ship/Organization _____

Phone _____ Email Address _____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Is hazard remotely monitored? Yes _____ No _____

If yes, list Internet URL where most recent position will be posted (if any): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Latitude _____ Longitude _____

Date of Expected Removal _____

Most Recent Observation: Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

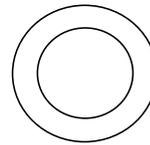
Sounding sensor or method used _____

Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary): _____



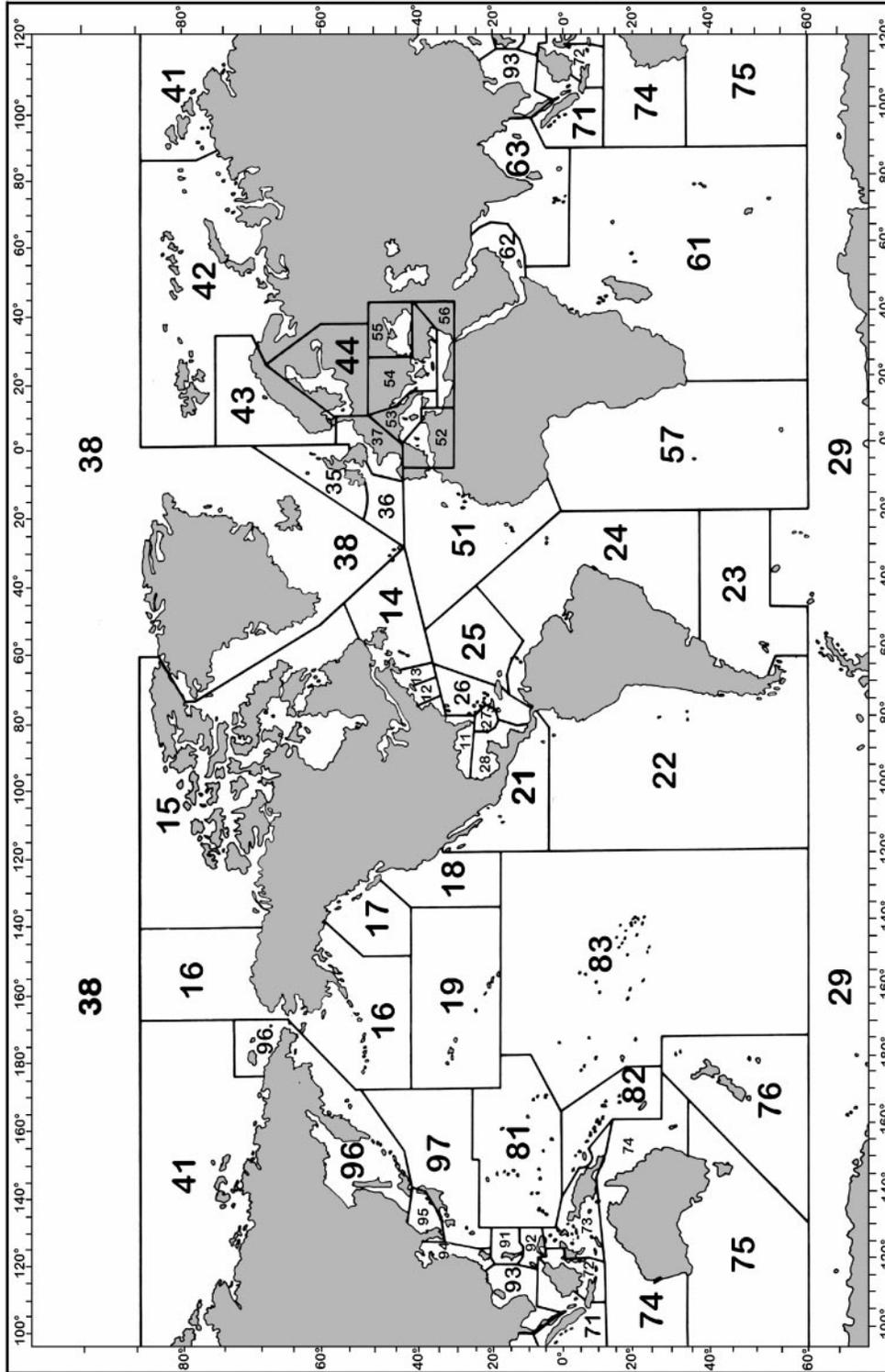
**MARITIME SAFETY INFORMATION DIVISION
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GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

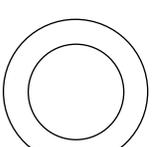
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